



HYDRO UNIT HE

Model Code	AM160FNBDEH	AM320FNBDEH	AM500FNBDEH	
Power Supply (Outdoor Unit) [Φ, #, V, Hz]	1,2,220-240,50	3, 4, 380-415, 50	1,2,220-240,50	
Capacity	Cooling [kW]	14	28	44.8
	Cooling [Btu/hr]	47,800	95,600	152,900
	Heating [kW]	16.0	31.5	50.4
	Heating [Btu/hr]	54,600	107,500	172,000
Power Input (Nominal)	Cooling [kW]	10	10	10
	Heating [kW]	10	10	10
Current Input (Nominal)	Cooling [A]	0.05	0.05	0.05
	Heating [A]	0.05	0.05	0.05
Heat Exchanger	Type	PHE	PHE	PHE
	Quantity [Ea]	2	2	2
	Pipe Size [Ø, inch]	PT1 (25A)	PT1 (25A)	PT1-1/4 (32A)
	Water Flow Rate [LPM]	48	92	150
	Flow Switch [LPM]	20	30	50
Piping Connections	Liquid Pipe [Ø, mm]	9.52	9.52	12.7
	Gas Pipe [Ø, mm]	15.88	15.88	28.58
Sound	Sound Pressure [dB(A)]	27	28	31
External Dimension (Outdoor Unit)	Net Weight [kg]	29.0	33.0	40.0
	Net Dimensions (WxHxD) [mm]	518 x 627 x 330	518 x 627 x 330	518 x 627 x 330
Operating Range	Ambient Cooling [°C]	-5.0 ~ 48.0	-5.0 ~ 48.0	-5.0 ~ 48.0
	Ambient Heating [°C]	-20 ~ 35	-20 ~ 35	-20 ~ 35
	Ambient Hot Water (Main Cooling, HR) [°C]	-20 ~ 35 (43)	-20 ~ 35 (43)	-20 ~ 35 (43)
	Leaving Water Cooling [°C]	5.0 ~ 30.0	5.0 ~ 30.0	5.0 ~ 30.0
	Leaving Water Heating [°C]	20 ~ 50	20 ~ 50	20 ~ 50

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 1) Nominal cooling capacities are based on: Indoor temperature : 27° C DB, 19o C WB / Outdoor temperature : 35° C DB
 2) Nominal heating capacities are based on: Indoor temperature : 20° C DB, 15o C WB / Outdoor temperature : 7° C DB, 6° C WB



HYDRO UNIT HT

Model Code	AM160FNBFEH	AM160FNBFGH	AM250FNBFEH	AM250FNBFGH	
Power Supply (Outdoor Unit) [Φ, #, V, Hz]	1,2,220-240,50	3, 4, 380-415, 50	1,2,220-240,50	3, 4, 380-415, 50	
Capacity	Cooling [kW]	-	-	-	
	Cooling [Btu/hr]	-	-	-	
	Heating [kW]	16.0	16.0	25.0	25.0
	Heating [Btu/hr]	54,600	54,600	85,300	85,300
Power Input (Nominal)	Cooling [kW]	-	-	-	
	Heating [kW]	3,100	3,100	5,000	5,000
Current Input (Nominal)	Cooling [A]	-	-	-	
	Heating [A]	14.3	4.85	23.1	7.58
Compressor	Type	Rotary	Rotary	Rotary	Rotary
	Output [kW x n]	-	-	-	-
	Model Name	UX5T250FNBEX	UX5T250FNBEX	UX5T250FNBEX	UX5T250FNBEX
	Oil Type	POE	POE	POE	POE
Heat Exchanger	Oil Initial Charge [cc]	1,700	1,700	1,700	1,700
	Type	PHE	PHE	PHE	PHE
	Quantity [Ea]	2	2	2	2
	Pipe Size [Ø, inch]	PT1 (25A)	PT1 (25A)	PT1 (25A)	PT1 (25A)
	Water Flow Rate [LPM]	23	23	36	36
Piping Connections	Flow Switch [LPM]	12	12	12	12
	Liquid Pipe [Ø, mm]	9.52	9.52	9.52	9.52
Sound	Gas Pipe [Ø, mm]	15.88	15.88	15.88	15.88
	Sound Pressure [dB(A)]	42	42	42	42
External Dimension (Outdoor Unit)	Net Weight [kg]	104.0	104.0	104.0	104.0
	Net Dimensions (WxHxD) [mm]	518 x 1,210 x 330	518 x 1,210 x 330	518 x 1,210 x 330	518 x 1,210 x 330
Operating Range	Ambient Cooling [°C]	-	-	-	-
	Ambient Heating [°C]	-20 ~ 35	-20 ~ 35	-20 ~ 35	-20 ~ 35
	Ambient Hot Water (Main Cooling, HR) [°C]	-20 ~ 35 (43)	-20 ~ 35 (43)	-20 ~ 35 (43)	-20 ~ 35 (43)
	Leaving Water Cooling [°C]	-	-	-	-
	Leaving Water Heating [°C]	25 ~ 80	25 ~ 80	25 ~ 80	25 ~ 80

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 2) Nominal heating capacities are based on: Indoor temperature : 20° C DB, 15o C WB / Outdoor temperature : 7° C DB, 6° C WB





ERV Plus

Model Code	AM050FNKDEH	
Features	Type	ERV Plus
Power Supply (Outdoor Unit) [Φ, #, V, Hz]		1,2,220-240,50
Temperature Exchange Efficiency	Cooling [Turbo]	70
	Cooling [High]	70
	Cooling [Low]	74
Effective Enthalpy Exchange Efficiency	Cooling [Turbo]	60
	Cooling [High]	60
	Cooling [Low]	66
Outside Air Processing Capacity	Cooling 1 (DX Coil / Element) [kW]	5.1 (3.6 / 1.5)
	Cooling 2 (DX Coil / Element) [kW]	6.5 (4.0 / 2.5)
Fan	Air Flow Rate (High / Mid / Low) [CMH]	500 / 500 / 360
	External Static Pressure (Turbo / High / Low) [mmAq]	16.3 / 10.2 / 8.7
	External Static Pressure (Turbo / High / Low) [Pa]	160 / 100 / 85
	Motor Type	BLDC
	Motor Output [W]	180
	Motor Number of Unit [Ea]	2
Power Input	Turbo [W]	220
	High [W]	140
	Low [W]	90
Current Input	Turbo [A]	1.7
	High [A]	1.0
	Low [A]	0.6
Option Code		15617152380
Piping Connections	Liquid Pipe [Ø, mm]	6.35
	Gas Pipe [Ø, mm]	12.7
	Drain Pipe [Ø, mm]	VP25 (OD32, ID25)
	Water Supply [Ø, mm]	12.7
Refrigerant	Type	R410A
	Control Method	EEV
Sound	Sound Level (Turbo / High / Low) [dBA]	36 / 32 / 28
	Net Weight [kg]	61.0
External Dimension (Outdoor Unit)	Net Dimensions (WxHxD) [mm]	1,553 x 270 x 1,000
	Supply / Return / Exhaust / Outside Air Duct Flange [Ø, mm]	200
	Accessory	Air Filter
Optional Accessory	Type	Natural Evaporating Type
	Qty [Ea]	1
	Amount [kg/h]	2.7
	Pressure Feed Water [Mpa]	0.02~0.49
	S-Plasma Ion Kit	MSD-EAN1
	CO ₂ Sensor	MOS-C1
Humidity Sensor	Option	
Ambient Condition	Around Unit	0~40°C DB, 80%RH or less
	OA	-15~40°C DB, 80%RH or less
	RA	0~40°C DB, 80%RH or less

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ERV Plus

Model Code	AM100FNKDEH	
Features	Type	ERV Plus
Power Supply (Outdoor Unit) [Φ, #, V, Hz]		1,2,220-240,50
Temperature Exchange Efficiency	Cooling [Turbo]	70
	Cooling [High]	70
	Cooling [Low]	74
Effective	Cooling [Turbo]	62
	Cooling [High]	62
	Cooling [Low]	
Outside Air Processing Capacity	Cooling 1 (DX Coil / Element) [kW]	10.5 (7.1 / 3.4)
	Cooling 2 (DX Coil / Element) [kW]	13.2 (8.0 / 5.2)
Fan	Air Flow Rate (High / Mid / Low) [CMH]	1000 / 1000 / 690
	External Static Pressure (Turbo / High / Low) [mmAq]	15.3 / 9.2 / 7.6
	External Static Pressure (Turbo / High / Low) [Pa]	150 / 90 / 75
	Motor Type	BLDC
	Motor Output [W]	70
	Motor Number of Unit [Ea]	2
Power Input	Turbo [W]	510
	High [W]	350
	Low [W]	235
Current Input	Turbo [A]	3.7
	High [A]	2.4
	Low [A]	1.6
Option Code		0156171C2373
Piping Connections	Liquid Pipe [Ø, mm]	6.35
	Gas Pipe [Ø, mm]	12.7
	Drain Pipe [Ø, mm]	VP25 (OD32, ID25)
	Water Supply [Ø, mm]	12.7
Refrigerant	Type	R410A
	Control Method	EEV Included
Sound	Sound Level (Turbo / High / Low) [dBA]	36 / 33 / 31
	Net Weight [kg]	90.0
External Dimension (Outdoor Unit)	Net Dimensions (WxHxD) [mm]	1,763 x 340 x 1,135
	Supply / Return / Exhaust / Outside Air Duct Flange [Ø, mm]	250
	Accessory	Air Filter
Optional Accessory	Type	Natural Evaporating Type
	Qty [Ea]	1
	Amount [kg/h]	5.4
	Pressure Feed Water [Mpa]	0.02~0.49
	S-Plasma Ion Kit	MSD-EAN1
	CO ₂ Sensor	MOS-C1
Humidity Sensor	Option	
Ambient Condition	Around Unit	0~40°C DB, 80%RH or less
	OA	-15~40°C DB, 80%RH or less
	RA	0~40°C DB, 80%RH or less

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CAC

INDOOR UNITS



CAC

INDOOR LINE-UP


Cassette

Model				
		360 Cassette	4 Way Inverter	4 Way On Off
Capacity (kW)	4.5		•	
	7.1	•	•	
	11.2	•	•	•
	14.0	•	•	•


Duct

Model			
		Duct S Inverter	Duct S On Off
Capacity (kW)	4.5	•	
	5.6	•	
	7.1	•	
	9.0	•	
	11.2	•	•
	12.8	•	•
	14.0	•	•


Floor Standing

Model		
		Floor Standing Inverter
Capacity (kW)	11.2	•
	14	•

Console

Model		
		Big Ceiling On Off
Capacity (kW)	10.26	•
	15.83	•

Ceiling

Model		
		Big Ceiling
Capacity (kW)	10	•
	14	•
	16	•

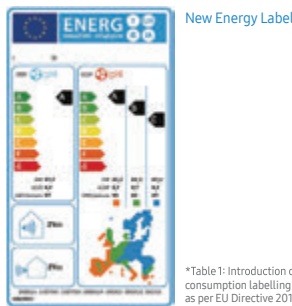
Overview

Samsung's single split unit is smart choice for conserving both running costs and energy consumption. This economical outdoor unit employs advanced technologies to minimize waste and improve efficiency. By adopting smart inverter technology, Samsung Ceiling Air Conditioner (CAC) Single not only offers silent operation but also provides outstanding cooling and heating performance. provides outstanding cooling and heating performance.



The Samsung CAC Single air conditioner system delivers optimal comfort, efficiency and performance with features such as:

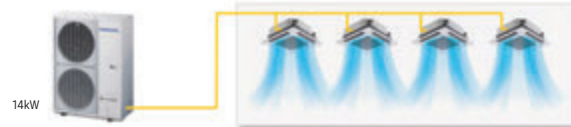
- **World-class energy efficiency.** Decrease energy consumption by up to 50 percent with a digital inverter system featuring an economical mode.
- **Superior performance.** Weather severe temperatures dependably and maximize comfort with wide temperature allowance.



*Table 1: Introduction of revised energy consumption labelling for air conditioners as per EU Directive 2011/626/EU

Maintain optimal comfort and control with energy- and cost-efficient technologies

Featuring a suite of energy-optimizing technologies, Samsung CAC Single delivers top-class energy efficiency to support businesses in saving costs and the environment. Plus, CAC Single with its smart technologies fully complies with new European Union (EU) regulations for more efficient performance.

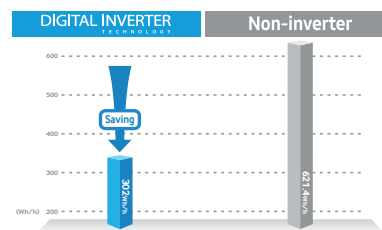


MQuick, efficient heating and cooling

Smart inverter technology offers powerful, quick cooling and heating with minimal electricity consumption, which means real cost savings and less energy waste. The EU has established new regulations to drastically cut the power consumption of air conditioners. Inefficient units will be gradually withdrawn from market starting in 2013. To further support this initiative, the EU is introducing an improved energy labelling system to provide consumers a better idea of how much electricity their units consume.

Up to 50 percent less energy use

After reaching the set temperature, the digital inverter air conditioner changes its operation mode to economical. By avoiding inefficient and frequent switching on and off of the compressor, the digital inverter saves up to 50 percent in energy consumption compared to non-inverter air conditioners.



Multi-unit operation

Instead of connecting just one indoor unit, users can connect two, three or four indoor units with a single outdoor unit for more efficient cooling and heating. The indoor units operate and are controlled simultaneously as one cycle within the same mode via one remote controller for up to four rooms. This system is ideal for spaces requiring multiple indoor units, such as open-plan offices or shops.

Outdoor Unit Capacity	2 Rooms	3 Rooms	4 Rooms
7.1kW	3.5 + 3.5		
10kW	5.2 + 5.2		
12.5kW	6.0 + 6.0	5.2 + 5.2 + 5.2	
14kW	7.1 + 7.1	5.2 + 5.2 + 5.2	3.5 + 3.5 + 3.5 + 3.5

*4 Way & Mini4 Way CST is available.



CAC SPECIFICATION



360 CASSETTE R410A (NASA)

Model Code	Indoor	AC024KN4DKH/TC	AC036KN4DKH/TC	AC048KN4DKH/TC
	Outdoor	AC024KXADKH/TC	AC036KXADKH/TC	AC048KXADKH/TC
Capacity	Cooling [kW]	2.20 / 7.03 / 8.00	2.99 / 10.55 / 11.99	3.49 / 14.07 / 15.50
	Cooling [Btu/h]	7,500 / 24,000 / 27,300	10,230 / 36,000 / 40,940	11,940 / 48,000 / 52,880
Power Input	Cooling (Min / Std / Max) [kW]	0.35 / 2.52 / 3.95	0.60 / 3.67 / 4.70	0.80 / 5.00 / 6.44
Current Input	Cooling (Min / Std / Max) [kW]	2.00 / 11.20 / 17.00	3.00 / 16.20 / 20.40	3.70 / 21.70 / 28.00
	MCA [A]	21.50	24.50	33.50
Power	MFA [A]	23.65	26.95	36.85
	EER (Nominal Cooling) [W/W]	2.79	2.87	2.81
Piping Connections	Liquid Pipe [Ø, mm]	6.35	9.52	9.52
	Gas Pipe [Ø, mm]	15.88	15.88	15.88
	Installation Max. Length [m]	50	50	75
	Installation Max. Height [m]	30	30	30
Refrigerant	Type	R410A	R410A	R410A
	Factory Charging [kg]	1.5	3.0	3.5
Power Supply (Indoor Unit) [Φ, #, V, Hz]	Type	Turbo Fan	Turbo Fan	Turbo Fan
	Motor Output [W]	65	97	97
Fan	Air Flow Rate (High / Mid / Low) [CMM]	17.50 / 15.90 / 14.30	31.20 / 25.50 / 19.80	32.40 / 27.10 / 22.80
	Drain Pipe [Ø, mm]	VP25 (OD 32, ID 25)	VP25 (OD 32, ID 25)	VP25 (OD 32, ID 25)
Sound	Sound Pressure (High / Mid / Low) [dB(A)]	36.0 / 33.0 / 29.0	44.0 / 39.0 / 33.0	45.0 / 41.0 / 37.0
	Net Weight [kg]	21	24	26
External Dimension (Indoor Unit)	Net Dimensions (WxHxD) [mm]	947 x 281 x 947	947 x 365 x 947	947 x 365 x 947
	Panel model	PC4NUDMAN	PC4NUDMAN	PC4NUDMAN
Panel Size	Panel Net Weight [kg]	3.6	3.6	3.6
	Net Dimensions (WxHxD) [mm]	1,000 x 66 x 1,000	1,000 x 66 x 1,000	1,000 x 66 x 1,000
Power Supply (Outdoor Unit) [Φ, #, V, Hz]	Type	Twin BLDC Rotary	Twin BLDC Rotary	Twin BLDC Rotary
	Model	UG4T200FUAE4	UG8T300FUBJU	UG5T450FUEJX
Compressor	Output [kW]	1.78	2.82	4.12
	Oil Type	POE	PVE	PVE
Fan	Air Flow Rate (Cooling) [CMM]	58.5	78	111
	Sound Pressure (Cooling / Heating) [dB(A)]	49.0 / 51.0	52.0 / 54.0	53.0 / 54.0
External Dimension (Outdoor Unit)	Net Weight [kg]	50.5	72.0	90
	Net Dimensions (WxHxD) [mm]	880 x 798 x 310	940 x 998 x 330	940 x 1,210 x 330
Operating Temp. Range	Cooling [°C]	-15~50	-15~50	-15~50
	Heating [°C]	-15~50	-15~50	-15~50

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* Nominal cooling capacities are based on; Indoor temperature : 27°C DB, 19°C WB / Outdoor temperature : 35°C DB



4 WAY CASSETTE R410A (NASA)

Model Code	Indoor	AC052JN4DEH/AF	AC071JN4DEH/AF	AC100JN4DEH/AF
	Outdoor	AC052JX4DEH/AF	AC071JX4DEH/AF	AC100JX4DEH/AF
Capacity	Cooling [kW]	1.47 / 4.98 / 5.28	2.08 / 7.18 / 7.77	3.22 / 10.26 / 10.57
	Cooling [Btu/h]	5,000 / 17,000 / 18,000	7,100 / 24,500 / 26,500	11,000 / 35,000 / 37,000
Power Input	Cooling (Min / Std / Max) [kW]	0.35 / 1.60 / 1.70	0.38 / 2.45 / 3.00	0.7 / 3.6 / 4.8
Current Input	Cooling (Min / Std / Max) [kW]	2.20 / 7.20 / 8.00	2.30 / 11.00 / 13.00	4.0 / 16.0 / 21.0
	MCA [A]	10.80	20.80	23.70
Power	MFA [A]	12.50	25.00	27.50
	EER (Nominal Cooling) [W/W]	3.11	2.93	2.85
Connections Piping	Liquid Pipe [Ø, mm]	6.35	6.35	9.52
	Gas Pipe [Ø, mm]	12.7	15.88	15.88
	Installation Max. Length [m]	30	30	50
	Installation Max. Height [m]	15	15	30
Refrigerant	Type	R410A	R410A	R410A
	Factory Charging [kg]	1.1	1.3	2.5
Power Supply (Indoor Unit) [Φ, #, V, Hz]	Type	Turbo	Turbo	Turbo
	Motor Output [W]	65	65	97
Fan	Air Flow Rate (High / Mid / Low) [CMM]	18.00 / 15.00 / 13.00	21.00 / 18.00 / 16.00	33.0 / 26.0 / 19.0
	Drain Pipe [Ø, mm]	VP25 (OD 32, ID 25)	VP25 (OD 32, ID 25)	VP25 (OD 32, ID 25)
Sound	Sound Pressure (High / Mid / Low) [dB(A)]	37.0 / 34.0 / 31.0	43.0 / 40.0 / 37.0	43.0 / 38.0 / 33.0
	Net Weight [kg]	14.5	14.5	18
External Dimension (Indoor Unit)	Net Dimensions (WxHxD) [mm]	840 x 204 x 840	840 x 204 x 840	840 x 288 x 840
	Panel model	PC4NUSKAN	PC4NUSKAN	PC4NUSKAN
Panel Size	Panel Net Weight [kg]	5.9	5.9	5.9
	Net Dimensions (WxHxD) [mm]	950 x 45 x 950	950 x 45 x 950	950 x 45 x 950
Power Supply (Outdoor Unit) [Φ, #, V, Hz]	Type	BLDC Rotary	BLDC Rotary	Twin BLDC Rotary
	Model	UG4T150LNBEQ	UG4T200FUAE4	UG8T300LNBJU
Compressor	Output [kW]	4.45	5.92	2.82
	Oil Type	POE	POE	PVE
Fan	Air Flow Rate (Cooling) [CMM]	40	41	60
	Air Flow Rate (Cooling) [L/s]	666.67	683.33	1,000.00
Sound	Sound Pressure (Cooling / Heating) [dB(A)]	47.0 / 48.0	49.0 / 51.0	55.0 / 57.0
	Net Weight [kg]	36	45	67
External Dimension (Outdoor Unit)	Net Weight [kg]	36	45	67
	Net Dimensions (WxHxD) [mm]	880 x 798 x 310	940 x 998 x 330	940 x 1,210 x 330
Operating Temp. Range	Cooling [°C]	-5~48	-5~48	-5~48
	Heating [°C]	-15~24	-15~24	-15~24

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* Nominal cooling capacities are based on; Indoor temperature : 27°C DB, 19°C WB / Outdoor temperature : 35°C DB





4 WAY CASSETTE R410A (NASA)

Model Code	Indoor	AC140JN4DEH/AF
	Outdoor	AC140JX4DGH/AF
Capacity	Cooling [kW]	3.19 / 14.07 / 14.21
	Cooling [Btu/h]	10,900 / 48,000 / 48,500
Power Input	Cooling (Min / Std / Max) [kW]	1.30 / 5.20 / 6.30
	Cooling (Min / Std / Max) [kW]	3.00 / 8.50 / 9.50
Power	MCA [A]	13.70
	MFA [A]	15.10
Energy Efficiency	EER (Nominal Cooling) [W/W]	2.71
	Liquid Pipe [Ø, mm]	9.52
Piping Connections	Gas Pipe [Ø, mm]	15.88
	Installation Max. Length [m]	50
	Installation Max. Height [m]	30
Refrigerant	Type	R410A
	Factory Charging [kg]	2.2
Power Supply (Indoor Unit) [Φ, #, V, Hz]	Type	Turbo
	Motor Output [W]	97
Fan	Air Flow Rate (High / Mid / Low) [CMM]	31.00 / 24.00 / 19.00
	Drain Pipe [Ø, mm]	VP25 (OD 32, ID 25)
Sound	Sound Pressure (High / Mid / Low) [dB(A)]	44.0 / 40.0 / 36.0
	Net Weight [kg]	18
External Dimension (Indoor Unit)	Net Dimensions (WxHxD) [mm]	840 x 288 x 840
	Panel model	PC4NUSKAN
Panel Size	Panel Net Weight [kg]	5.9
	Net Dimensions (WxHxD) [mm]	950 x 45 x 950
Power Supply (Outdoor Unit) [Φ, #, V, Hz]	Type	Twin BLDC Rotary
	Model	UG5T450FUFJX
Compressor	Output [kW]	4.12
	Oil Type	PVE
Fan	Air Flow Rate (Cooling) [CMM]	70.0
	Sound Pressure (Cooling / Heating) [dB(A)]	57.0 / 59.0
External Dimension (Outdoor Unit)	Net Weight [kg]	89
	Net Dimensions (WxHxD) [mm]	932 x 1,162 x 375
Operating Temp. Range	Cooling [°C]	-5~48

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4 WAY CASSETTE R410A (ON/OFF)

Model Code	Indoor	AC120JN4SEH/AF	AC140JN4SEH/AF
	Outdoor	AC120JX4SGH/AF	AC140JX4SGH/AF
Capacity	Cooling [kW]	11.72	13.19
	Cooling [Btu/h]	40,000	45,000
Power Input	Cooling (Min / Std / Max) [kW]	4.25	5.13
	Cooling (Min / Std / Max) [kW]	7.3	8.8
Power	MCA [A]	11.00	13.00
	MFA [A]	16.00	20.00
Energy Efficiency	EER (Nominal Cooling) [W/W]	2.76	2.57
	Liquid Pipe [Ø, mm]	9.52	9.52
Piping Connections	Gas Pipe [Ø, mm]	15.88	15.88
	Installation Max. Length [m]	50	50
	Installation Max. Height [m]	30	30
Refrigerant	Type	R410A	R410A
	Factory Charging [kg]	2.7	2.7
Power Supply (Indoor Unit) [Φ, #, V, Hz]	Type	Turbo Fan	Turbo Fan
	Motor Output [W]	97	97
Fan	Air Flow Rate (High / Mid / Low) [CMM]	31.00 / 28.00 / 25.00	33.00 / 29.00 / 25.00
	Air Flow Rate (High / Mid / Low) [l/s]	516.67 / 466.67 / 416.67	550.00 / 483.33 / 466.67
Sound	Sound Pressure (High / Mid / Low) [dB(A)]	44 / 42 / 40	45 / 43 / 41
	Net Weight [kg]	18	18
External Dimension (Indoor Unit)	Net Dimensions (WxHxD) [mm]	840 x 288 x 840	840 x 288 x 840
	Panel model	PC4NUSKAN	PC4NUSKAN
Panel Size	Panel Net Weight [kg]	5.8	5.8
	Net Dimensions (WxHxD) [mm]	950 x 45 x 950	950 x 45 x 950
Power Supply (Outdoor Unit) [Φ, #, V, Hz]	Type	Rotary	Rotary
	Model	UG3T450BUAHY	UG3T530BUAHY
Compressor	Output [kW]	4.375	5.185
	Oil Type	POE	POE
Fan	Air Flow Rate (Cooling) [CMM]	105	105.0
	Air Flow Rate (Cooling) [l/s]	1,750.00	1,750.00
External Dimension (Outdoor Unit)	Net Weight [kg]	96	97
	Net Dimensions (WxHxD) [mm]	932 x 1,162 x 375	932 x 1,162 x 375
Operating Temp. Range	Cooling [°C]	21.0 ~ 48.0	21.0 ~ 48.0
	Heating [°C]	-5.0 ~ 24.0	-5.0 ~ 24.0

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* Nominal cooling capacities are based on; Indoor temperature : 27°C DB, 19°C WB / Outdoor temperature : 35°C DB





DUCT S R410A (NASA)

Model Code	Indoor	AC035JNMDEH/AF	AC052JNMDEH/AF	AC071JNMDEH/AF
	Outdoor	AC035JXMDEH/AF	AC052JXMDEH/AF	AC071JXMDEH/AF
Capacity	Cooling [kW]	1.00 / 3.52 / 4.10	1.47 / 4.98 / 5.28	1.85 / 7.18 / 7.62
	Cooling [Btu/h]	3,350 / 12,000 / 14,000	5,000 / 17,000 / 18,000	6,300 / 24,500 / 26,000
Power Input	Cooling (Min / Std / Max) [kW]	0.33 / 1.15 / 1.35	0.35 / 1.60 / 1.70	0.47 / 2.50 / 3.23
Current Input	Cooling (Min / Std / Max) [kW]	2.10 / 5.30 / 6.20	2.20 / 7.30 / 8.00	2.80 / 11.60 / 14.10
Power	MCA [A]	10.00	12.70	22.70
	MFA [A]	11.00	13.97	25.00
Energy Efficiency	EER (Nominal Cooling) [W/W]	3.06	3.11	2.87
Piping Connections	Liquid Pipe [Ø, mm]	6.35	6.35	6.35
	Gas Pipe [Ø, mm]	9.52	12.7	15.88
	Installation Max. Length [m]	20	30	30
	Installation Max. Height [m]	15	15	15
Refrigerant	Type	R410A	R410A	R410A
	Factory Charging [kg]	0.9	1	1.3
Power Supply (Indoor Unit) [Φ, #, V, Hz]	Type	1,2,220-240,50	1,2,220-240,50	1,2,220-240,50
	Motor Output [W]	Sirocco Fan (BLDC)	Sirocco Fan (BLDC)	Sirocco Fan (BLDC)
Fan	Air Flow Rate (High / Mid / Low) [CMM]	153	153	153
	External Static Pressure [mmAq]	9.20 / 7.40 / 5.80	18.70 / 16.50 / 14.00	23.00 / 20.00 / 17.00
	External Static Pressure [Pa]	0.00 / 2.50 / 4.00	0.00 / 3.00 / 15.00	0.00 / 3.00 / 15.00
	External Static Pressure [Pa]	0.00 / 24.52 / 39.23	0.00 / 29.42 / 147.10	0.00 / 29.42 / 147.10
	External Static Pressure [Pa]	0.00 / 24.52 / 39.23	0.00 / 29.42 / 147.10	0.00 / 29.42 / 147.10
Drain	Drain Pipe [Ø, mm]	VP25 (OD 32, ID 25)	VP25 (OD 32, ID 25)	VP25 (OD 32, ID 25)
Sound	Sound Pressure (High / Mid / Low) [dB(A)]	32.0 / 29.0 / 26.0	33.0 / 30.0 / 27.0	36.0 / 32.0 / 28.0
External Dimension (Indoor Unit)	Net Weight [kg]	20.0	25.2	25.2
	Net Dimensions (WxHxD) [mm]	700 x 199 x 600	850 x 250 x 700	850 x 250 x 700
Power Supply (Outdoor Unit) [Φ, #, V, Hz]	Type	1,2,220-240,50	1,2,220-240,50	1,2,220-240,50
	Model	BLDC Rotary	BLDC Rotary	BLDC Rotary
Compressor	Model	UG9A090FUAER	UG4T150LNBEQ	UG4T200FUAE4
	Output [kW]	2.77	4.45	5.92
	Oil Type	POE	POE	POE
Fan	Air Flow Rate (Cooling) [CMM]	37	40	41
Sound	Sound Pressure (Cooling / Heating) [dB(A)]	47.0 / 48.0	47.0 / 48.0	49.0 / 51.0
External Dimension (Outdoor Unit)	Net Weight [kg]	29.5	36	45
	Net Dimensions (WxHxD) [mm]	720 x 548 x 265	790 x 548 x 285	880 x 638 x 310
Operating Temp. Range	Cooling [°C]	-5~48	-5~48	-5~48

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DUCT S R410A (NASA)

Model Code	Indoor	AC090JNMDEH/AF	AC100JNMDEH/AF	AC120JNMDEH/AF
	Outdoor	AC090JXMDEH/AF	AC100JXMDEH/AF	AC120JXMDGH/AF
Capacity	Cooling [kW]	2.93 / 8.79 / 9.96	3.02 / 10.26 / 10.57	2.93 / 12.31 / 12.46
	Cooling [Btu/h]	10,000 / 30,000 / 34,000	10,300 / 35,000 / 37,000	10,000 / 42,000 / 42,500
Power Input	Cooling (Min / Std / Max) [kW]	0.9 / 3.37 / 4.6	0.8 / 3.9 / 4.9	1.05 / 4.74 / 5.90
Current Input	Cooling (Min / Std / Max) [kW]	4.7 / 15.0 / 20.0	4.4 / 18.5 / 21.5	2.10 / 8.00 / 9.20
Power	MCA [A]	24.70	24.70	14.70
	MFA [A]	27.50	27.50	16.20
Energy Efficiency	EER (Nominal Cooling) [W/W]	2.61	2.63	2.60
Piping Connections	Liquid Pipe [Ø, mm]	9.52	9.52	9.52
	Gas Pipe [Ø, mm]	15.88	15.88	15.88
	Installation Max. Length [m]	50	50	50
	Installation Max. Height [m]	30	30	30
Refrigerant	Type	R410A	R410A	R410A
	Factory Charging [kg]	2.5	2.5	2.2
Power Supply (Indoor Unit) [Φ, #, V, Hz]	Type	1,2,220-240,50	1,2,220-240,50	1,2,220-240,50
	Motor Output [W]	Sirocco Fan (BLDC)	Sirocco Fan (BLDC)	Sirocco Fan (BLDC)
Fan	Air Flow Rate (High / Mid / Low) [CMM]	153	153	153
	External Static Pressure [mmAq]	29.0 / 25.0 / 22.0	33.0 / 27.0 / 22.0	38.00 / 32.00 / 25.00
	External Static Pressure [mmAq]	0.0 / 4.0 / 15.0	0.0 / 4.0 / 15.0	0.00 / 5.20 / 15.00
	External Static Pressure [Pa]	0.0 / 39.2 / 147.0	0.0 / 39.2 / 147.0	0.00 / 50.99 / 147.10
	External Static Pressure [Pa]	0.0 / 39.2 / 147.0	0.0 / 39.2 / 147.0	0.00 / 50.99 / 147.10
Drain	Drain Pipe [Ø, mm]	VP25 (OD 32, ID 25)	VP25 (OD 32, ID 25)	VP20 (OD 25, ID 20)
Sound	Sound Pressure (High / Mid / Low) [dB(A)]	41.0 / 38.0 / 34.0	39.0 / 36.0 / 33.0	42.0 / 38.0 / 34.0
External Dimension (Indoor Unit)	Net Weight [kg]	25.0	32.0	32.5
	Net Dimensions (WxHxD) [mm]	850 x 250 x 700	1200 x 250 x 700	1200 x 250 x 700
Power Supply (Outdoor Unit) [Φ, #, V, Hz]	Type	1,2,220-240,50	1,2,220-240,50	3,4,380-415,50
	Model	BLDC Rotary	BLDC Rotary	Twin BLDC Rotary
Compressor	Model	UG8T300LNBJU	UG8T300LNBJU	UG5T450FUFJX
	Output [kW]	-	-	4.12
	Oil Type	PVE	PVE	PVE
Fan	Air Flow Rate (Cooling) [CMM]	60	60	70
Sound	Sound Pressure (Cooling / Heating) [dB(A)]	54.0 / 56.0	55.0 / 57.0	57.0 / 58.0
External Dimension (Outdoor Unit)	Net Weight [kg]	67	67	89
	Net Dimensions (WxHxD) [mm]	880 x 967 x 320	880 x 967 x 320	932 x 1,162 x 375
Operating Temp. Range	Cooling [°C]	-5~48	-5~48	-5~48

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DUCT S R410A (NASA)

Model Code	Indoor	AC140JNMDEH/AF	AC160JNMDEH/AF
	Outdoor	AC140JXMDGH/AF	AC160JXMDGH/AF
Capacity	Cooling [kW]	3.19 / 13.77 / 13.92	3.22 / 15.83 / 16.12
	Cooling [Btu/h]	10,900 / 47,000 / 47,500	00/ 54,000 / 55,000
Power Input	Cooling (Min / Std / Max) [kW]	1.30 / 5.30 / 6.50	1.08 / 6.07 / 6.35
Current Input	Cooling (Min / Std / Max) [kW]	2.50 / 9.00 / 10.00	2.20/9.70 / 10.00
Power	MCA [A]	14.70	15.50
	MFA [A]	16.20	17.10
Energy Efficiency	EER (Nominal Cooling) [W/W]	2.60	2.61
Piping Connections	Liquid Pipe [Ø, mm]	9.52	9.52
	Gas Pipe [Ø, mm]	15.88	19.05
	Installation Max. Length [m]	50	50
	Installation Max. Height [m]	30	30
Refrigerant	Type	R410A	R410A
	Factory Charging [kg]	2.2	3.5
Power Supply (Indoor Unit) [Φ, #, V, Hz]		1,2,220-240,50	1,2,220-240,50
Fan	Type	Sirocco Fan (BLDC)	Sirocco Fan (BLDC)
	Motor Output [W]	153	244
	Air Flow Rate (High / Mid / Low) [CMM]	42.00 / 34.00 / 27.00	49.00 / 43.00 / 37.00
	External Static Pressure [mmAq]	0.00 / 5.20 / 15.00	0.00 / 5.20 / 15.00
	External Static Pressure [Pa]	0.00 / 50.99 / 147.10	0.00 / 50.99 / 147.10
Drain	Drain Pipe [Ø, mm]	VP20 (OD 25, ID 20)	VP20 (OD 25, ID 20)
Sound	Sound Pressure (High / Mid / Low) [dB(A)]	43.0 / 39.0 / 34.0	44.0 / 40.0 / 35.0
External Dimension (Indoor Unit)	Net Weight [kg]	32.5	38.0
	Net Dimensions (WxHxD) [mm]	1200 x 250 x 700	1300 x 300 x 700
Power Supply (Outdoor Unit) [Φ, #, V, Hz]		3,4,380-415,50	3,4,380-415,50
Compressor	Type	Twin BLDC Rotary	Twin BLDC Rotary
	Model	UG5T450FUFJX	UG5T450FUFJX
	Output [kW]	4.12	4.12
	Oil Type	PVE	PVE
Fan	Air Flow Rate (Cooling) [CMM]	70	70
Sound	Sound Pressure (Cooling / Heating) [dB(A)]	57.0 / 59.0	57.0 / 59.0
External Dimension (Outdoor Unit)	Net Weight [kg]	89	97
	Net Dimensions (WxHxD) [mm]	932 x 1,162 x 375	932 x 1,162 x 375
Operating Temp. Range	Cooling [°C]	-5~48	-5~48

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DUCT S R410A (ON/OFF)

Model Code	Indoor	AC120JNMSEH/AF	AC140JNMSEH/AF
	Outdoor	AC120JXMSGH/AF	AC140JXMSGH/AF
Capacity	Cooling [kW]	11.43	12.9
	Cooling [Btu/h]	39,000	44,000
Power Input	Cooling (Min / Std / Max) [kW]	4.4	5.43
Current Input	Cooling (Min / Std / Max) [kW]	7.5	9.2
Power	MCA [A]	12.00	14.00
	MFA [A]	16.00	20.00
Energy Efficiency	EER (Nominal Cooling) [W/W]	2.60	2.38
Piping Connections	Liquid Pipe [Ø, mm]	9.52	9.52
	Gas Pipe [Ø, mm]	15.88	15.88
	Installation Max. Length [m]	50	50
	Installation Max. Height [m]	30	30
Refrigerant	Type	R410A	R410A
	Factory Charging [kg]	2.6	2.7
Power Supply (Indoor Unit) [Φ, #, V, Hz]		1,2,220-240,50	1,2,220-240,50
Fan	Type	Sirocco Fan	Sirocco Fan
	Motor Output [W]	153	153
	Air Flow Rate (High / Mid / Low) [CMM]	38.00 / 32.00 / 25.00	43.00 / 35.00 / 27.00
	External Static Pressure [mmAq]	0.00 / 5.20 / 15.00	0.00 / 5.20 / 15.00
	External Static Pressure [Pa]	0.00 / 50.96 / 147.00	0.00 / 50.96 / 147.00
Drain	Drain Pipe [Ø, mm]	VP25 (OD 32, ID 25)	VP25 (OD 32, ID 25)
Sound	Sound Pressure (High / Mid / Low) [dB(A)]	42 / 38 / 34	43 / 39 / 34
External Dimension (Indoor Unit)	Net Weight [kg]	32.5	32.5
	Net Dimensions (WxHxD) [mm]	1,200 x 250 x 700	1,200 x 250 x 700
Power Supply (Outdoor Unit) [Φ, #, V, Hz]		3,4,380-415,50	3,4,380-415,50
Compressor	Type	Rotary	Rotary
	Model	UG3T450BUAHY	UG3T530BUAHY
	Output [kW]	4.375	5.185
	Oil Type	POE	POE
Fan	Air Flow Rate (Cooling) [CMM]	105	105
Sound	Sound Pressure (Cooling / Heating) [dB(A)]	55 / 56	55 / 56
External Dimension (Outdoor Unit)	Net Weight [kg]	96	97
	Net Dimensions (WxHxD) [mm]	932 x 1,162 x 375	932 x 1,162 x 375
Operating Temp. Range	Cooling [°C]	21.0 ~ 48.0	21.0 ~ 48.0
	Heating [°C]	-5.0 ~ 24.0	-5.0 ~ 24.0

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BIG CEILING R410A (NASA)

Model Code	Indoor	AC036JNCDKC/VN	AC060JNCDKC/VN
	Outdoor	AC036JXADKC/VN	AC060JXADKC/VN
System	Mode	Cooling Only	Cooling Only
Capacity	Cooling [kW]	10.26	15.83
	Cooling [Btu/h]	35,000	54,000
Power Input	Cooling (Min / Std / Max) [kW]	3.38	5.22
Current Input	Cooling (Min / Std / Max) [kW]	16	24
Power	MCA [A]	26.70	36.70
	MFA [A]	30.00	40.50
Energy Efficiency	EER (Nominal Cooling) [W/W]	3.04	3.03
Piping Connections	Liquid Pipe [Ø, mm]	9.52	9.52
	Gas Pipe [Ø, mm]	15.88	15.88
	Installation Max. Length [m]	50	75
	Installation Max. Height [m]	30	30
Power Supply (Indoor Unit) [Φ, #, V, Hz]		1,2,220-240,50/60	1,2,220-240,50/60
Fan	Type	Sirocco	Sirocco
	Motor Output [W]	153	244
	Air Flow Rate (High / Mid / Low) [CFM]	918.22 / 812.27 / 671.00	1,306.69 / 1,094.80 / 918.22
Drain	Drain Pipe [Ø, mm]	VP25 (OD 32, ID 25)	VP25 (OD 32, ID 25)
Sound	Sound Pressure (High / Mid / Low) [dB(A)]	48.0 / 44.0 / 40.0	51.0 / 47.0 / 43.0
External Dimension (Indoor Unit)	Net Weight [kg]	33.0	42
	Net Dimensions (WxHxD) [mm]	1,350 x 235 x 675	1,650 x 235 x 675
Power Supply (Outdoor Unit) [Φ, #, V, Hz]		1,2,220-240,50/60	1,2,220-240,60
Compressor	Type	Twin BLDC Rotary	Twin BLDC Rotary
	Output [kW]	2.82	4.01
	Oil Type	PVE	PVE
Fan	Air Flow Rate (Cooling) [CFM]	50	110.0
Sound	Sound Pressure (Cooling / Heating) [dB(A)]	52	55
External Dimension (Outdoor Unit)	Net Weight [kg]	62	90
	Net Dimensions (WxHxD) [mm]	880 x 967 x 320	940 x 1,420 x 330
Operating Temp. Range	Cooling [°C]	-15~50	-15~50

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BIG CEILING R410A (NASA)

Model Code	Indoor	AC100JNCDEH/EU	AC140JNCDEH/EU	AC160JNCDEH/EU
	Outdoor	AC100JXADEH/EU	AC140JXADEH/EU	AC160JXADGH/EU
System	Mode	Heat Pump	Heat Pump	Heat Pump
Capacity	Cooling [kW]	2.80 / 10.00 / 12.00	4.30 / 14.00 / 15.40	4.30 / 15.00 / 17.30
	Cooling [Btu/h]	9,600 / 34,100 / 40,900	14,700 / 47,800 / 52,500	14,700 / 51,200 / 59,000
Power Input	Cooling (Min / Std / Max) [kW]	0.75 / 3.45 / 5.00	0.90 / 4.65 / 5.50	0.90 / 5.28 / 6.40
Current Input	Cooling (Min / Std / Max) [kW]	4.30 / 15.00 / 21.50	5.10 / 20.20 / 23.50	1.70 / 8.20 / 9.80
Power	MCA [A]	26.70	26.70	14.70
	MFA [A]	30.00	30.00	16.20
Energy Efficiency	EER (Nominal Cooling) [W/W]	2.90	3.01	2.84
Piping Connections	Liquid Pipe [Ø, mm]	9.52	9.52	9.52
	Gas Pipe [Ø, mm]	15.88	15.88	15.88
	Installation Max. Length [m]	50	75	75
	Installation Max. Height [m]	30	30	30
Power Supply (Indoor Unit) [Φ, #, V, Hz]		1,2,220-240,50	1,2,220-240,50	1,2,220-240,50
Fan	Type	Sirocco	Sirocco	Sirocco
	Motor Output [W]	244	244	37.00 / 31.00 / 26.00
	Air Flow Rate (High / Mid / Low) [CMM]	26.00 / 23.00 / 19.00	34.00 / 27.00 / 23.00	-
Drain	Drain Pipe [Ø, mm]	VP20 (OD 25, ID 20)	VP20 (OD 25, ID 20)	VP20 (OD 25, ID 20)
Sound	Sound Pressure (High / Mid / Low) [dB(A)]	42.0 / 38.0 / 34.0	46.0 / 42.0 / 38.0	-
External Dimension (Indoor Unit)	Net Weight [kg]	42.0	42.0	-
	Net Dimensions (WxHxD) [mm]	1,650 x 675 x 235	1 650 x 675 x 235	-
Power Supply (Outdoor Unit) [Φ, #, V, Hz]		1,2,220-240,50	1,2,220-240,50	1,2,220-240,50
Compressor	Type	Twin BLDC Rotary	Twin BLDC Rotary	Twin BLDC Rotary
	Output [kW]	2.82	4.12	4.12
	Oil Type	POE	POE	PVE
Fan	Air Flow Rate (Cooling) [CMM]	68	100	115
Sound	Sound Pressure (Cooling / Heating) [dB(A)]	52.0 / 54.0	53.0 / 54.0	56.0 / 58.0
External Dimension (Outdoor Unit)	Net Weight [kg]	70.0	88.0	96.0
	Net Dimensions (WxHxD) [mm]	940 x 998 x 330	940 x 1210 x 330	940 x 1420 x 330
Operating Temp. Range	Cooling [°C]	-15~50	-15~50	-15~50

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FJM

SPECIFICATION



FJM

OUTDOOR / INDOOR LINE-UP



Duct

Model		
		LSP (Slim)
Capacity (kW)	2.6	•
	3.5	•
	5.2	•

Wall Mounted

Model		
		AR5000
Capacity (kW)	2.0	•
	2.5	•
	3.5	•
	5.0	•
	6.8	•

* Concerning exact capacity for each model above, please refer to the specification sheet in detail.

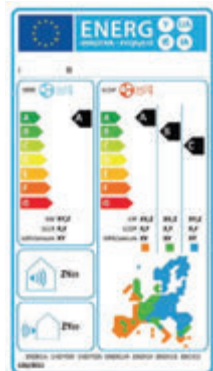
Achieve multi-room temperature control with a flexible, easy-to-install and energy-efficient solution.

Experience ultimate comfort at home or work with reliable, efficient performance

The Samsung Free Joint Multi (FJM) system air conditioner combines efficiency and reliability to deliver outstanding performance in a space-saving design. Supporting up to five indoor units, Samsung FJM is a perfectly optimized cooling system for residences and smaller buildings with limited installation space. Its lightweight, small-scale build and one-button auto-addressing enable easy and low-cost installation, while its uniquely quiet design ensures soothing comfort and maximum efficiency.

The Samsung FJM system air conditioner delivers optimal comfort, efficiency and performance with features such as:

- **High performance.** Rely on smooth, efficient operation with high-performance compressor technology.
- **Easy installation.** Ease installation and minimize effort with a small footprint and one-button auto-addressing.
- **Low noise levels.** Enjoy a more peaceful home or work environment with quiet operation, thanks to double-layered sound insulation.



Maintain optimal comfort and control with energy and cost-efficient technologies

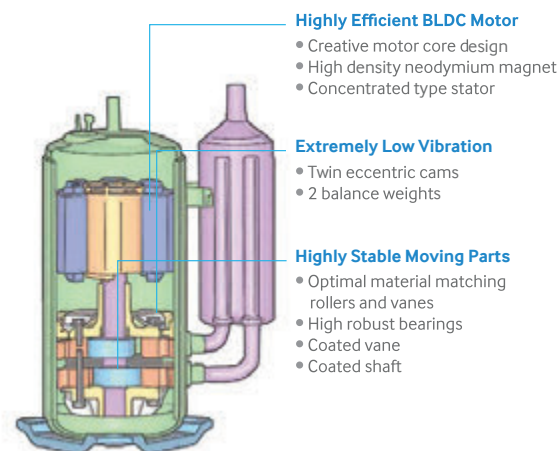
Featuring a suite of energy-optimizing technologies, Samsung FJM delivers top-class energy efficiency to support businesses in saving costs and the environment. Plus, CAC Single with its smart technologies fully complies with new European Union (EU) regulations for more efficient performance.

Driver higher performance with unmatched stability

A key contributor to Samsung FJM's efficiency is its advanced compressor technology. With its smart compressor design and premium moving parts, the FJM air conditioning system delivers balanced performance for high reliability and FJM fully complies with new EU regulations for more efficient performance.

Smooth Performance

Samsung Free Joint Multi adopts the innovative Twin Brushless Direct Current (BLDC) rotary compressor for more efficient performance. Its stable twin eccentric cams and two balance weights reduce torque variation by 70 percent compared to the conventional Single BLDC compressor, offering smoother, more consistent operation. High-quality moving parts such as robust bearings, as well as premium matching rollers and vanes, produce a high degree of stability and durability.



Streamline installation with a compact design and automated operation

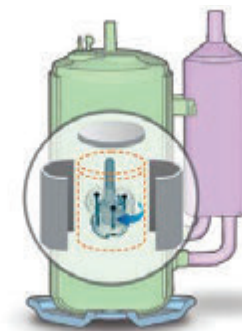
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Minimal Noise Level for Maximum Comfort

With its superior insulation and low vibration, FJM offers a comforting environment undisturbed by bothersome noise levels typical of standard air conditioning systems. Residents can enjoy a more restful night and employees can increase focus levels with less disturbance.

Easy, One-Touch Step

Samsung Free Joint Multi adopts the innovative Twin Brushless Direct Current (BLDC) rotary compressor for more efficient performance. Its stable twin eccentric cams and two balance weights reduce torque variation by 70 percent compared to the conventional Single BLDC compressor, offering smoother, more consistent operation. High-quality moving parts such as robust bearings, as well as premium matching rollers and vanes, produce a high degree of stability and durability.

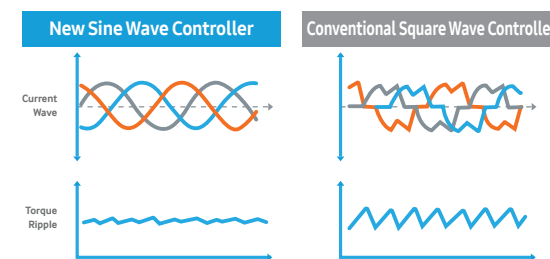


Quiet Operation

Double-layered sound insulation material fully covers the compressor to absorb and minimize the noise for quieter operation, making it more discreet despite its high-quality performance.

Neat and Simple

With a single FJM outdoor unit, users can connect up to five indoor units, so property owners can keep the building exterior clean and neat.



Sine Wave Controller

All Samsung FJM models have adopted a newly developed Sine Wave Controller. Smoother current waves result in a soft acoustic quality and overall noise reduction.



FJM 2 TICKS

Model Code	Outdoor	AJ18FCJ3EC	AJ21FCJ3EC	AJ27HCJ4EC
Capacity	Cooling [kW]	5	6	7.8
	Cooling [Btu/h]	17,100	20,500	26,600
Power Input	Cooling (Min / Std / Max) [kW]	1.42	1.78	2.3
Current Input	Cooling (Min / Std / Max) [kW]	6.5	8.1	10.5
Power	MCA [A]	12.00	13.70	17.20
	MFA [A]	13.75	15.63	19.38
Energy Efficiency	EER (Nominal Cooling) [W/W]	3.52	3.37	3.39
	NEA Ticks	2 Ticks	2 Ticks	2 Ticks
Piping Connections	Liquid Pipe [Ø, mm]	6.35	6.35	6.35
	Gas Pipe [Ø, mm]	9.52	9.52	9.52
	Installation Max. Length [m]	25	25	25
	Installation Max. Height [m]	15	15	15
Refrigerant	Type	R410A	R410A	R410A
	Factory Charging [kg]	2	2	2.4
Power Supply (Indoor Unit) [Φ, #, V, Hz]		1,2,220-240,50	1,2,220-240,50	1,2,220-240,50
Compressor	Type	Twin BLDC Rotary	Twin BLDC Rotary	Twin BLDC Rotary
	Model	UG4T200FUAE4	UG4T200FUAE4	UG4T200FUAE4
	Output [kW]	5.92	5.92	5.92
	Oil Type	POE	POE	POE
Fan	Air Flow Rate (Cooling) [CMM]	35.74	41.37	56.79
Sound	Sound Pressure (Cooling / Heating) [dB(A)]	44	47	50
External Dimension (Outdoor Unit)	Net Weight [kg]	47.5	47.5	58
	Net Dimensions (WxHxD) [mm]	880 x 638 x 310	880 x 638 x 310	880 x 798 x 310
Operating Temp. Range	Cooling [°C]	10.0 ~ 46.0	10.0 ~ 46.0	10.0 ~ 46.0

* Product Specifications in the Publication can be changed without a prior notice. Because there is always an ongoing improvement on our product.
* Nominal cooling capacities are based on; Indoor temperature : 27°C DB, 19°C WB / Outdoor temperature : 35°C DB



FJM 2 TICKS

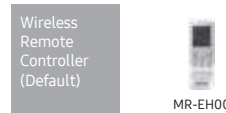
Model Code	Outdoor	AJ34HCJ5EC
Capacity	Cooling [kW]	10
	Cooling [Btu/h]	34,100
Power Input	Cooling (Min / Std / Max) [kW]	2.95
Current Input	Cooling (Min / Std / Max) [kW]	13.5
Power	MCA [A]	26.62
	MFA [A]	29.69
Energy Efficiency	EER (Nominal Cooling) [W/W]	3.39
	NEA Ticks	2 Ticks
Piping Connections	Liquid Pipe [Ø, mm]	6.35
	Gas Pipe [Ø, mm]	9.52
	Installation Max. Length [m]	25
	Installation Max. Height [m]	15
Refrigerant	Type	R410A
	Factory Charging [kg]	3
Power Supply (Indoor Unit) [Φ, #, V, Hz]		1,2,220-240,50
Compressor	Type	Twin BLDC Rotary
	Model	UG8T300FUBJU
	Output [kW]	9.17
	Oil Type	POE
Fan	Air Flow Rate (Cooling) [CMM]	70.58
Sound	Sound Pressure (Cooling / Heating) [dB(A)]	54
External Dimension (Outdoor Unit)	Net Weight [kg]	71.6
	Net Dimensions (WxHxD) [mm]	940 x 998 x 330
Operating Temp. Range	Cooling [°C]	10.0 ~ 46.0

* Product Specifications in the Publication can be changed without a prior notice. Because there is always an ongoing improvement on our product.
* Nominal cooling capacities are based on; Indoor temperature : 27°C DB, 19°C WB / Outdoor temperature : 35°C DB



FJM 2 TICKS

Model Code	Outdoor	AJ09FBADEC	AJ12FBADEC	AJ18FBADEC	AJ24FBADEC
Features	Type	Wall Mounted (AR5000)	Wall Mounted (AR5000)	Wall Mounted (AR5000)	Wall Mounted (AR5000)
Power Supply (Indoor Unit) [Φ, #, V, Hz]		1,2,220-240,50	1,2,220-240,50	1,2,220-240,50	1,2,220-240,50
Capacity	Cooling [kW]	2.5	3.5	5	6.8
	Cooling [Btu/h]	8,500	11,900	17,100	23,200
Fan	Type	Crossflow fan	Crossflow fan	Crossflow fan	Crossflow fan
	Motor Output [W]	20	20	27	27
	Air Flow Rate (High / Mid / Low) [CMM]	7.74 / 7.07 / 6.40	9.08 / 8.08 / 7.07	17.29 / 14.89 / 12.49	16.69 / 14.89 / 13.09
Drain	Drain Pipe [Ø, mm]	ID18 HOSE	ID18 HOSE	ID18 HOSE	ID18 HOSE
Sound	Pressure (High/Mid/Low) [dB(A)]	31 / 27 / 19	30 / 19	41 / 33 / 23	43 / 37 / 25
External Dimension	Net Weight [kg]	9.5	9.5	13	13
	Net Dimension (WxHxD) [mm]	826 x 261 x 261	826 x 261 x 261	1,065 x 301 x 294	1,065 x 301 x 294



FJM 2 TICKS

Model Code	Outdoor	AJ12FBMDEC	AJ18FBMDEC
Features	Type	Duct S	Duct S
Power Supply (Indoor Unit) [Φ, #, V, Hz]		1,2,220-240,50	1,2,220-240,50
Capacity	Cooling [kW]	3.5	5
	Cooling [Btu/h]	11,900	17,100
Fan	Type	Sirocco fan	Sirocco fan
	Motor Output [W]	153	153
	Air Flow Rate (High / Mid / Low) [CMM]	12.00 / 9.50 / 8.00	21.00 / 18.00 / 15.00
Drain	Drain Pipe [Ø, mm]	VP25 (OD 32,ID 25)	VP25 (OD 32,ID 25)
Sound	Pressure (High/Mid/Low) [dB(A)]	32 / 29 / 26	35 / 32 / 29
External Dimension	Net Weight [kg]	25	25
	Net Dimension (WxHxD) [mm]	850 x 250 x 700	850 x 250 x 700

* Product Specifications in the Publication can be changed without a prior notice. Because there is always an ongoing improvement on our product.
* Nominal cooling capacities are based on; Indoor temperature : 27°C DB, 19°C WB / Outdoor temperature : 35°C DB



CONTROL SYSTEM



CONTROL SYSTEM

S-NET 3

This integrated software connects to the internet to control the system air conditioners through DMS from a single computer.



DMS 2.5

DMS 2.5 is an internet-based management device that stores and manages all the data relevant to the air conditioners.



On / Off Controller

The On/Off controller controls the air conditioners individually or in groups supporting many other functions.



Wired R/C, Wireless R/C

The individual remote controllers are used to control single indoor units more conveniently.



Touch Centralized Controller

This 7" Touch Screen CRC controller is the optimised management solution for mid-size site.



CONTROL SYSTEM

Manage and monitor single or multiple units conveniently from a central, remote location



Flexible and Efficient

Samsung Control System offers convenient, centralised control of individual indoor units or entire groups of multiple units. Using a variety of controls, users can centrally manage and control multiple functions on their air conditioning units.

Integrated Management

Samsung's Integrated Management System provides an easy way to manage a large number of air conditioning units at once. This integrated system helps users control, monitor, manage and maintain every little detail of their air conditioning needs. Supporting convenient and optimised management, Samsung's Integrated Management System is an ideal solution for managing large and middle-sized buildings with many indoor and outdoor units.

System Controller

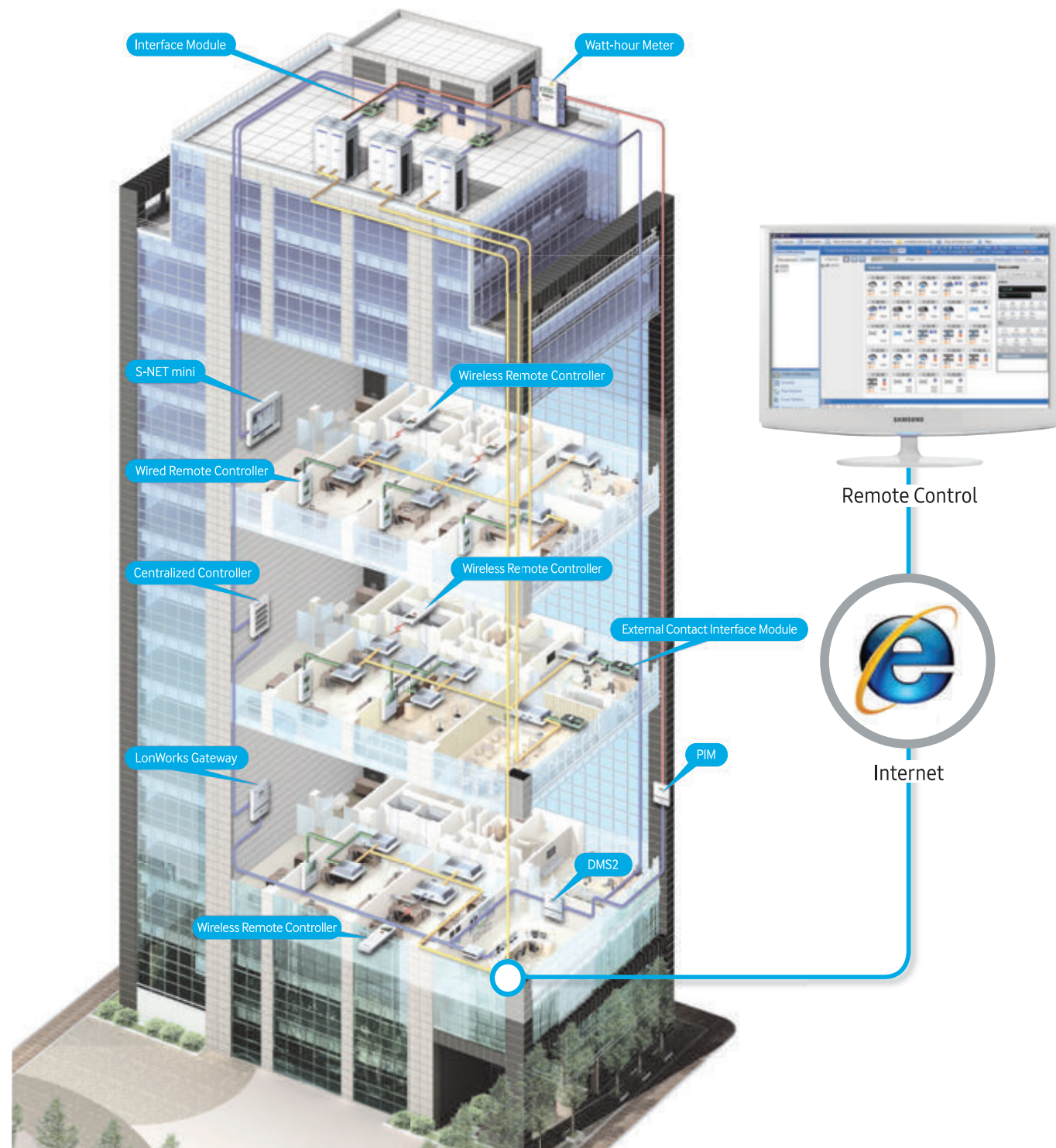
Samsung's control system offers various control options for indoor units. Users can control multiple units individually or simultaneously in groups to optimise convenience.

Building Management

Samsung Building Management System (BMS) makes it possible to control and monitor the air conditioning network using the remote control and monitoring function. Optimum control keeps the air conditioning system efficient, saves energy, reduces maintenance costs and extends the lifespan of the units.

Applications

Samsung System Air Conditioner products include a full spectrum of offerings so users can find the most convenient, efficient air conditioning system to suit their needs.



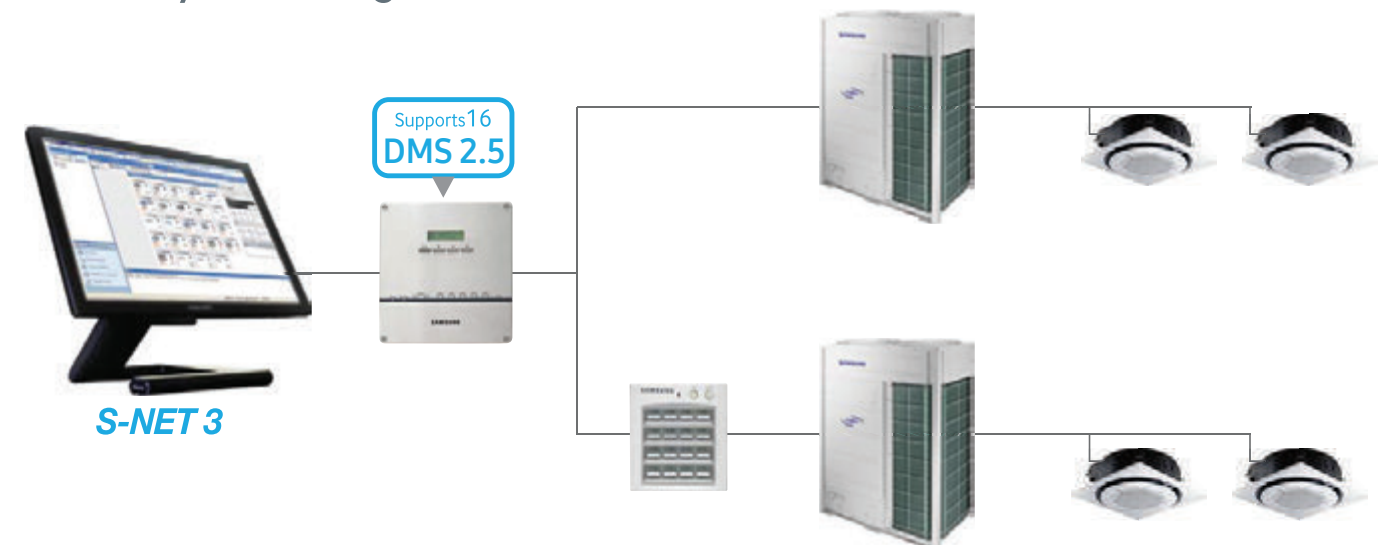
S-NET 3

S-NET 3 manages a group of buildings through Data Management Servers (DMS 2.5) that individually manage each building, providing flexible and complete control for a wide variety of applications.



- Fully integrated PC management software
- Up to 16 DMS 2.5 connection through the Ethernet
- Centralized management of up to 4,096 indoor units including ERV, ERV Plus and AHU
- Scheduled / Zone control
- Error/Operation history management
- Power distribution management and analysis

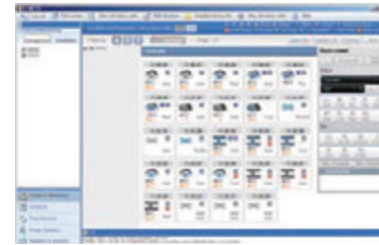
S-NET 3 system configuration



CONTROL SYSTEM

Control and Monitoring

Users can control and monitor up to 4,096 indoor units, including ERV, ERV PLUS and AHU. Wireless and wired remote control restrictions provide greater visibility on operations. The range of control includes temperature limit setting, operation mode lock and multiple/all indoor unit selection. In addition, an icon-based indoor unit display mode enables easier and more intuitive usability.



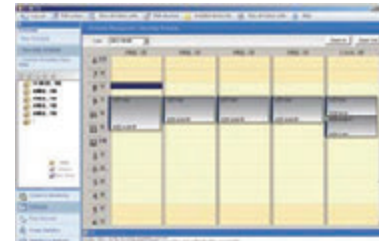
Power Distribution Management

Users can ensure optimal power usage with a data query for power distribution and operation times. Administrators can then generate and print power distribution reports for a complete survey on the operations. For more specific output, S-NET 3 can include time section settings for different electricity rates and a group setting for the power distribution summary.



Schedule Control

S-NET 3 provides easy-to-read graphical schedule settings, enabling administrators to schedule operation weekly or daily or exclude dates with the exception date setting function.

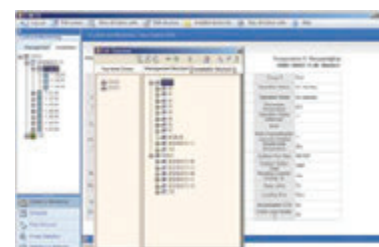


History Management

S-NET 3 offers error and event history management, as well as report generation and printing, so users can readily identify and resolve issues. There is also operation history management for indoor units.

Zone management

With S-NET 3, users can customize the management structure regardless of the installation structure. They can also create and edit control zones and manage the tree structure for the control zones.



Cycle monitoring

S-NET 3 enables users to monitor outdoor / indoor unit cycle data. (The monitoring function is supported only on specific outdoor unit models.)

CONTROL SYSTEM

DMS 2.5

The New Data Management Server (DMS) 2.5 can manage a variety of different air conditioning units, and the newly upgraded functions can automatically manage the air conditioning system for users.

- Built-in web server for PC-independent management and remote access control
- Multiple upper-level control access (S-NET 2, Web-client)
- Centralized management of up to 256 indoor units including ERV, ERV PLUS and AHU
- User editable control logic
- Accessible level management
- Dynamic security management
- Operation & error history management
- Weekly/Daily schedule control
- Power distribution function
- Current time management even during power failure (for 24 hours)
- Data storage in non-volatile memory and SD memory
- Emergency stop function with simple contact interface



DMS Configuration



CONTROL SYSTEM

Monitoring of Air-Conditioning Operation

DMS 2.5 eliminates the need to open each outdoor unit to monitor operation. Detailed refrigerant flow can be checked in the control room. This helps to reduce service lead time and keep the units up and running.



Easy Control & Monitoring

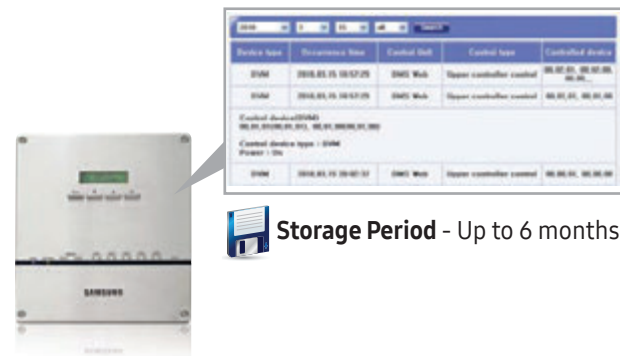
Users can control and monitor up to 256 indoor units, including ERV, ERV PLUS, AHU, DVM CHILLER and FCU Kit, via the Internet. The control functions include on/ off operation mode, and fan speed and temperature settings.



Indoor Unit Operation History Management

DMS 2.5 features operation history for indoor units, which records data for up to 6 months. The operation history stores the following parameters:

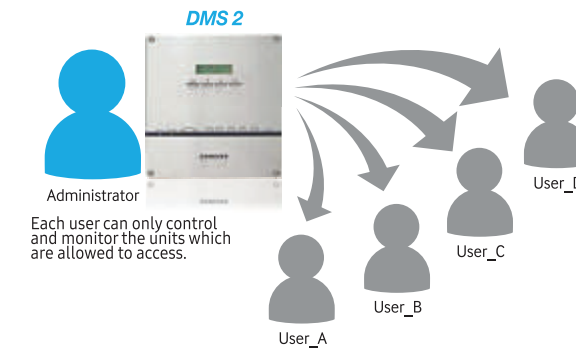
- Indoor unit address and name
- On/Off time (year, month, day, hour, minute)
- Operation mode (cool, heat, auto, fan dry, stop)
- Set/Room temperature



CONTROL SYSTEM

Accessible Level Management

DMS 2.5 enables administrator to specify the scope of unit control and monitoring by each users.



Dynamic User Security Management

General users, managers, and administrators can be registered separately by ID and password. Administrators (utility managers) have the authority to set access levels for DMS 2.5 functions by users.

Functions	Admin	Manager	User
	Access All	Changeable	
Control/Monitoring	0	0	0
Zone management	0	0	X
Schedule	0	0	0
Power distribution	0	0	X
System configuration	0	X	X

Control for Unoccupied Room

DMS 2.5 offers useful function for accommodations. Using this function, manager can keep the room temperature when guest goes out for a while. And manager can pre-cool or pre-heat the room temperature before guest enters the room.



CONTROL SYSTEM

Enhanced Graphical Display

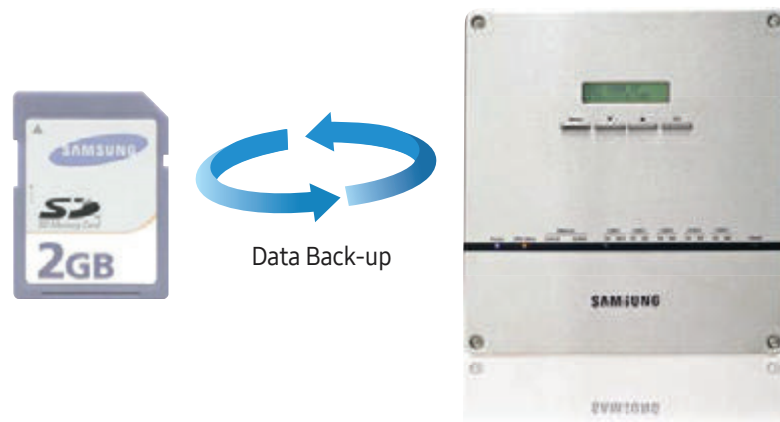
DMS 2.5 simplifies the task of monitoring system operations with its vibrant, intuitive graphical display. Icon-based, colour-coded unit control makes it easy to recognise indoor unit status, while a handy, stylish controller makes management even more convenient.



Powerful Data Backup

Critical data is safely stored on the DMS 2.5 SD memory card, including:

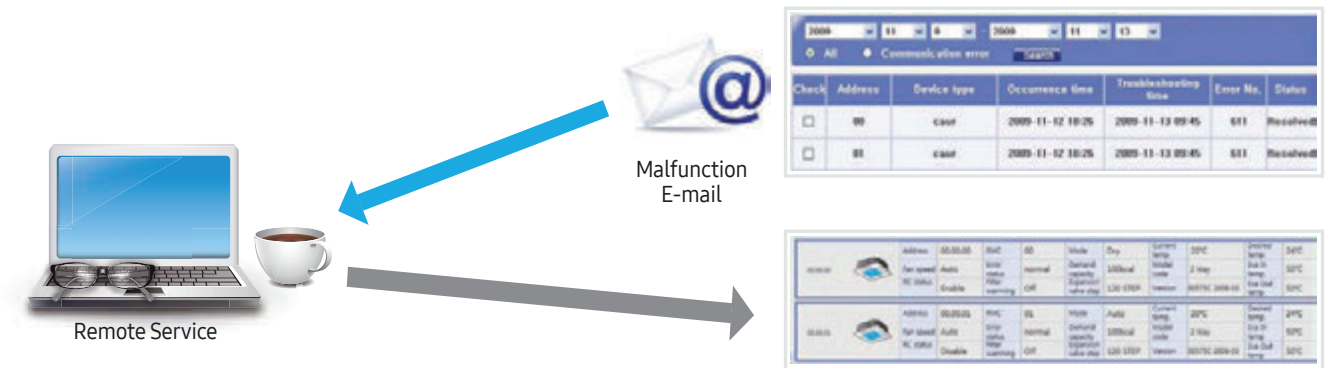
- Indoor/outdoor unit name
- Power distribution data
- Operation history
- DMS power on/off history
- System configuration



CONTROL SYSTEM

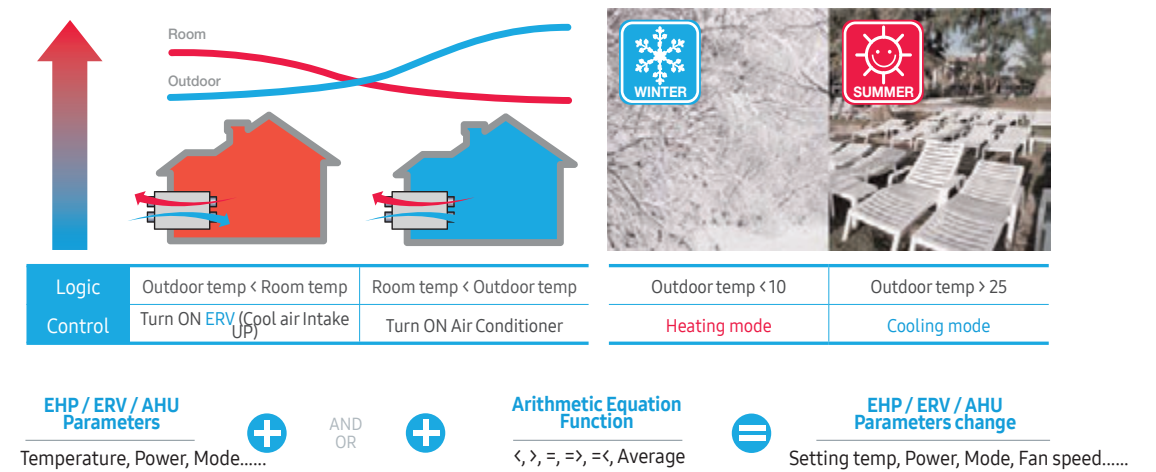
Rapid & Easy Service Response

DMS 2.5 provides easy remote control and monitoring through the internet. You can receive an email notification at your private email account in the event of malfunction.



User Editable Control Logic

User can edit control logic with arithmetic and conditional operators and parameters. Energy can be efficiently used and reduced for various operation conditions.



*Example : Energy saving function, operation adjustment depending on outdoor temperature.

CONTROL SYSTEM

Useful History Management

DMS 2.5 records indoor unit operation and error occurrence history. Recorded history makes it convenient to analyse air-conditioner operation and perform unit maintenance.



Operation History

1. Operation On/Off execution time
2. Daily accumulated operation on time
3. Schedule operation execution time



Error History

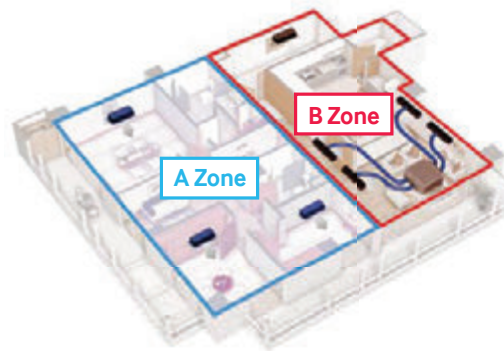
1. Error occurred unit name
2. Error details
3. Error occurrence/clear time
4. Error state (solved / unsolved)

Smart Central Management

DMS 2.5, the Control and Monitoring Zone edition, offers smart centralised zone management. The restrictions on wireless and wired remote controller provide better visibility on operations. It can also manage temperature limit setting and operation mode restriction.

A Zone Cooling only/No remote controller/ Minimum setting temperature in cooling is 20°C

B Zone Cooling only/Remote controller use



Power Distribution System

DMS 2.5 can connect power distribution system to 256 indoor units to provide data query for watt-hour, usage time and usage ratio. One year power distribution data is saved in storage. These files are saved in Microsoft Excel format. DMS 2.5 also provides current actual power consumption monitoring, as well as current type electricity meter support (CT ratio input).



Watt-hour Meter Interface Module

The watt-hour meter interface module can be exclusively used for DMS 2.5 power distribution, displaying power consumption for each watt-hour meter. It connects up to eight watt-hour meters and features a pulse interface for each meter.



CONTROL SYSTEM

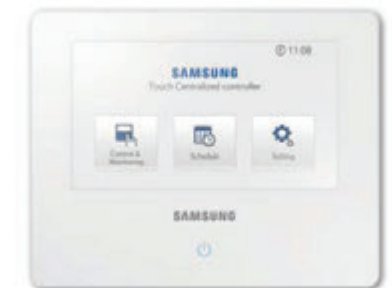
CENTRALIZED CONTROL

Samsung offers a host of interface modules designed to support superior control of indoor and outdoor units.



Touch Centralized Controller | MCM-A300N

- 7-inch Color Capacitive Touch Screen
- Easy and Intuitive UI
- Individual/Zone control, Scheduling, Energy saving control
- Emergency operation control by external contact
- Control up to 128 indoor units
- DS card for programming and data download



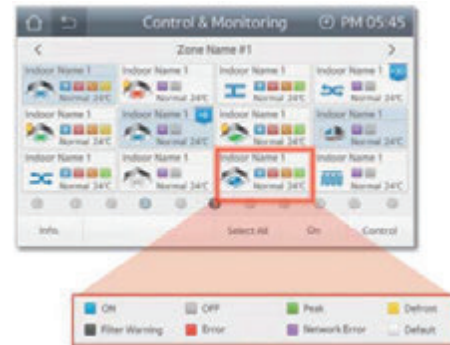
Easy and Intuitive UI

- Various icons based on equipment and operation condition
- Smart phone style user-friendly control
- Individual/group management



Control and Monitoring

- Easy to check each device's status using color and icon
- Large-size icons for ease of use
- High and low temperature limitation settings
- Individual unit restriction settings



Zone Management for multiple units

- Manage up to 12 zones
- Simply control zones with one button
- Set unique zone description icons to easily recognize each zone
- Easily bind multiple indoor units to create a zone



Schedule Control

- Set up to 10 operation schedules
- Apply these schedules to any unit or zone
- Create operation events for each schedule, including: temperature setting, mode and fan speed



On/Off Controller

MCM – A300N

- Maximum of 16 group controls
- Group/Individual indoor unit control (On/Off)
- Wireless/wired remote control restriction
- Cooling/Heating mode control
- Indoor unit error display

* MCM-A202DN is compatible with MCM-A202A and MCM-A202B



MIM-N01

Communication interface module between outdoor units and the upper level controller which has different communication type

- Connect 1 interface module to 1 outdoor unit.
- Individual control - Maximum 48 indoor units.
- Group control - Maximum 16 groups.

* Supported communication type

- 1) Conventional communication outdoor unit ↔ New communication upper level controller
- 2) New communication outdoor unit ↔ Conventional communication upper level controller



MIM-N10

Communication interface module between ERV and the upper level controller. (Exclusive for ERV)

- Connect 1 interface module per 16 ERVs.

* Supported communication type

- 1) Conventional communication ERV ↔ New communication upper level controller
- 2) New communication ERV ↔ Conventional communication upper level controller
- 3) New communication ERV ↔ New communication upper level controller



CONTROL SYSTEM

Wi-Fi Kit

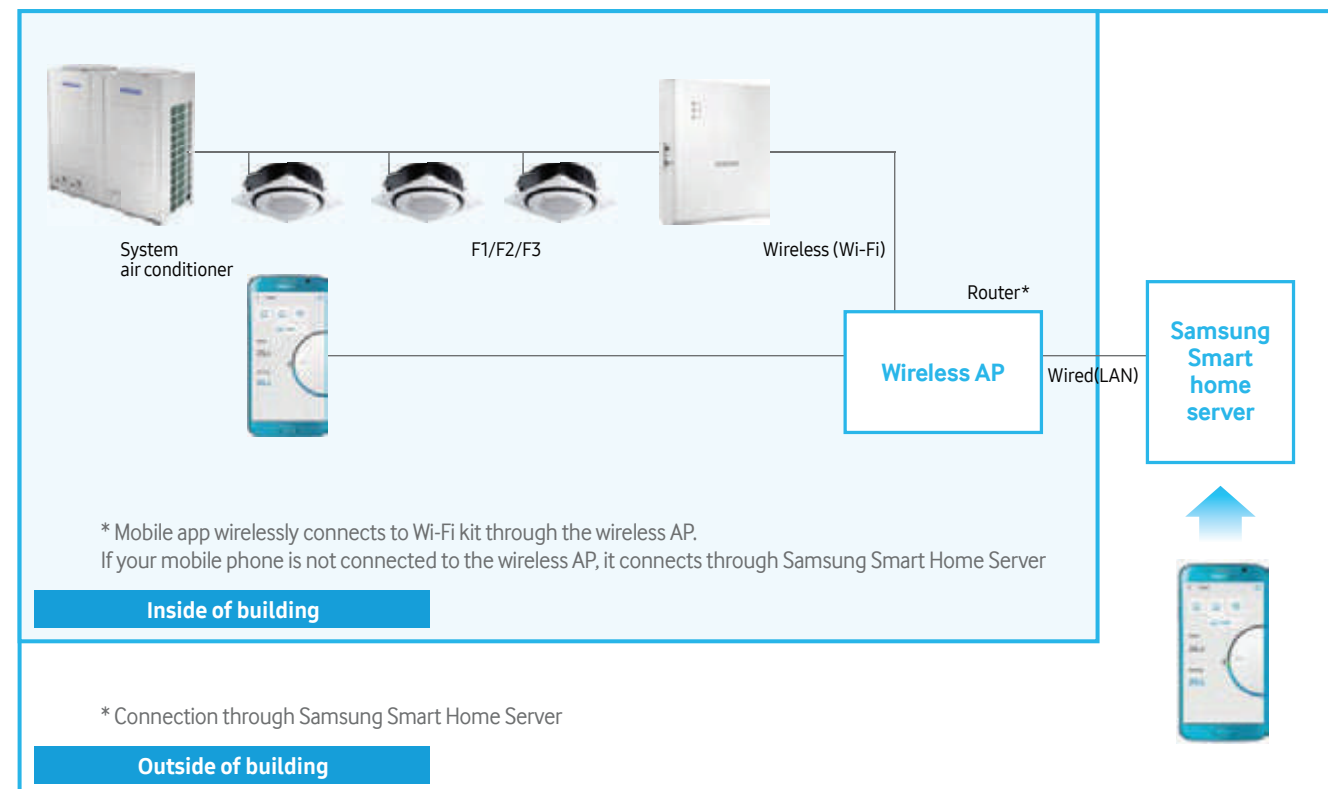
MIM-H03N

- Control and monitoring system air conditioner by mobile phone. (Max. 16 indoor units)
- Weekly schedule setting
- Group control and monitoring (ON/OFF)
- Current/daily/weekly/monthly energy usage data of outdoor unit. (This function is available in certain outdoor unit model)



Wi-Fi Kit Connection

Schedule Control



CONTROL SYSTEM

INDIVIDUAL CONTROL

Samsung's individual control system has a variety of wired and wireless controllers that enable you to easily control your air conditioners. You can choose the one that best suits your air conditioning environment.

Wireless Remote Controller **MR-EH00**

- On/Off, Operation Mode, Fan Speed, Airflow, Temperature Setting
- Filter replacement alarm reset
- Simple schedule control
- Wide display
- Soft touch button
- Individual blade control (support specific indoor unit models)
- Multi-channel wireless remote control (maximum of 4 channels)



Premium Wireless Dial Remote Controller **AR-KH00E**

- Jog shuttle and button to adjust airflow
- Fast and intuitive navigation
- Easy to use with consistent function
- Dedicated comfort cooling button
- For 360 Bladeless Cassette only.



Wired Remote Controller **MWR-WE11N**

- On/Off, Operation Mode, Fan Speed, Airflow, Temperature Setting
- Individual and group control (maximum to 16 indoor units)
- Error display
- Filter replacement alarm reset
- Sleep & Silent mode
- Built-in room temperature sensor
- Child lock
- Automatic stop mode
- Wireless remote control restriction
- Clear & Bright screen with LCD backlight
- Unified controller (AC, ERV, ERV PLUS, AHU)
- Different permission levels
- Weekly schedule setting (A/C, ERV, A/C+ERV)
- Exception date setting
- Individual blade control (support specific indoor unit models)
- 360 CST air flow control & display
- Time synchronisation with DMS 2.5



CONTROL SYSTEM

WPremium LED Touch Screen Wired Remote Controller **MWR-SH10N**

- On/Off control
- Operation mode, fan speed, airflow and temperature setting
- Filter replacement alarm
- Control up to 16 indoor units
- Error display
- Mode selection protection prevents the setting from tempering
- Can be used as wireless receiver
- Blue LED background light



ERV Wired Controller **MWR-VH12N**

- Individual and group control (Maximum of 16 ERVs)
- On/Off control
- Operation Mode (By-Pass, Heat Exchange), Fan Speed
- Simple schedule control
- Error display
- Synchronised operation with indoor units



Wireless Signal Receiver **MWR-A10N**

- On/Off control
- Operation indication
- Error indication
- Filter replacement sign



External Room Sensor **MWR-TA**

- External sensor to sense exact user environment temperature
- Wire length : 12m



CONTROL SYSTEM

BUILDING MANAGEMENT MODULE

Samsung Building Management System (BMS) provides various control functions for integrated management of various system equipment and air conditioners. As a result, BMS facilitates an efficient and economical operating environment.

BACnet Gateway

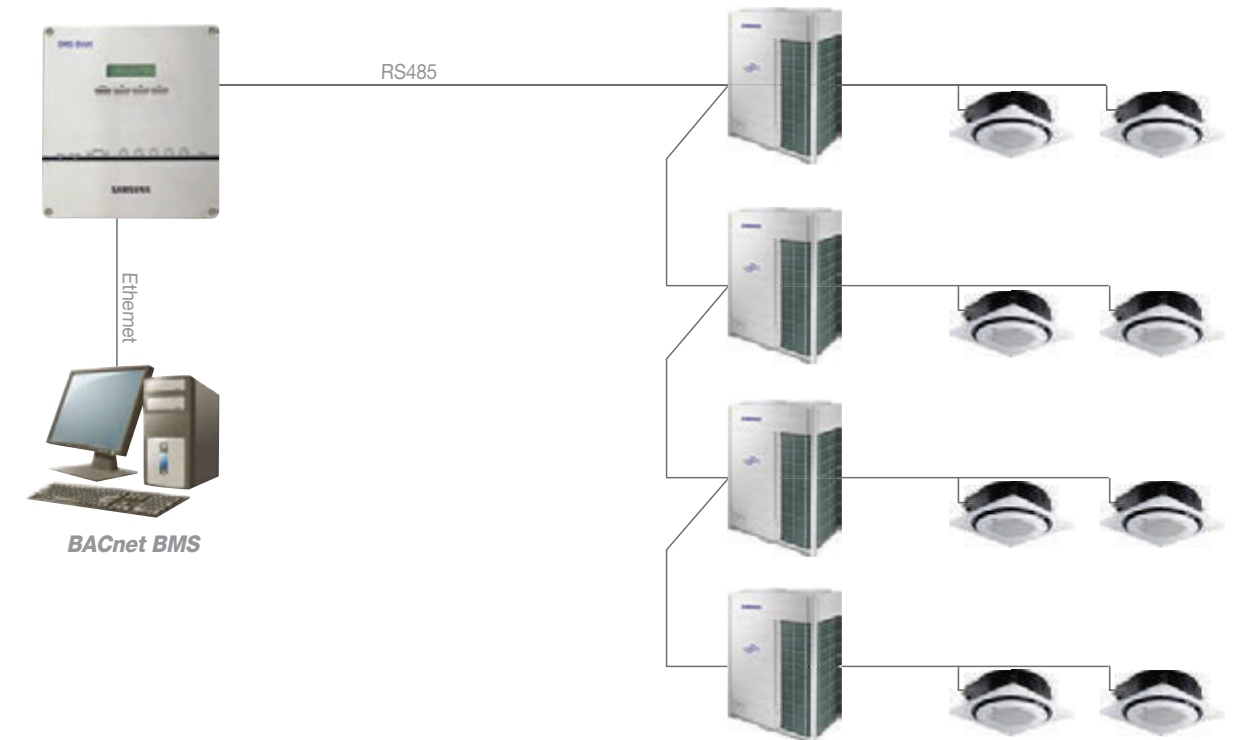
With the BMS control and monitoring function, BACnet gateway makes it easy to control the air conditioning network in various ways. BACnet gateway can control up to 256 indoor units, used in combination with S-NET 3.

- Interface for BACnet management system
- Maximum 256 indoor units plus ERVs support with a maximum of 80 interface modules
- Includes DMS 2.5 functions



Control	Monitoring
<ul style="list-style-type: none"> • On/Off control • Operation mode • Temperature setting • Fan speed/direction • ERV operation mode • ERV fan speed 	<ul style="list-style-type: none"> • Filter alarm reset • User control restriction • Operation mode lock • Set temperature limit • Emergency stop • Output contact control
	<ul style="list-style-type: none"> • On/Off control • Operation mode • Set/Room temperature • Fan speed/direction • ERV operation mode • ERV fan speed • Filter alarm • User control restriction
	<ul style="list-style-type: none"> • Thermo On/Off • Power distribution • Operation mode lock • Set temperature limit • In/Out contact state • Emergency stop • Error code

Connection



CONTROL SYSTEM

LonWorks Gateway MIM-B18N (DMS-Lnet)

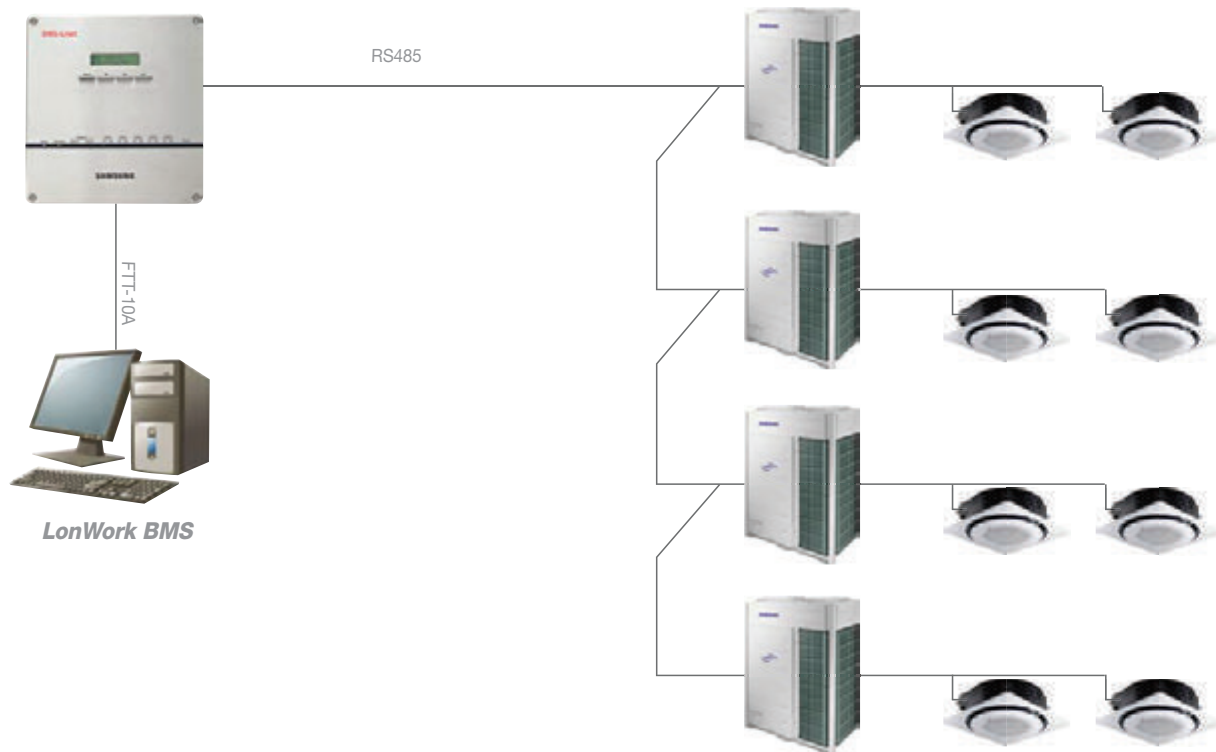
LonWorks gateway is an interface for Lon-Connection to LonWorks management system, providing you with a more convenient way to manage your air conditioning system. It can control a maximum of 128 indoor units, used in combination with S-NET 3.

- Exclusive use for DMS 2.5 power distribution
- Connection with up to 8 watt-hour meters
- Pulse interface with watt-hour meters
- Watt hour meter - by 3rd party



Control	Monitoring
<ul style="list-style-type: none"> • On/Off control • Operation mode • Temperature setting • Fan speed/direction • ERV operation mode • ERV fan speed 	<ul style="list-style-type: none"> • Filter alarm reset • User control restriction • Operation mode lock • Set temperature limit • Emergency stop • Output contact control
	<ul style="list-style-type: none"> • On/Off control • Operation mode • Set/Room temperature • Fan speed/direction • ERV operation mode • ERV fan speed • Filter alarm • User control restriction
	<ul style="list-style-type: none"> • Thermo On/Off • Power distribution • Operation mode lock • Set temperature limit • In/Out contact state • Emergency stop • Error code

Connection



CONTROL SYSTEM

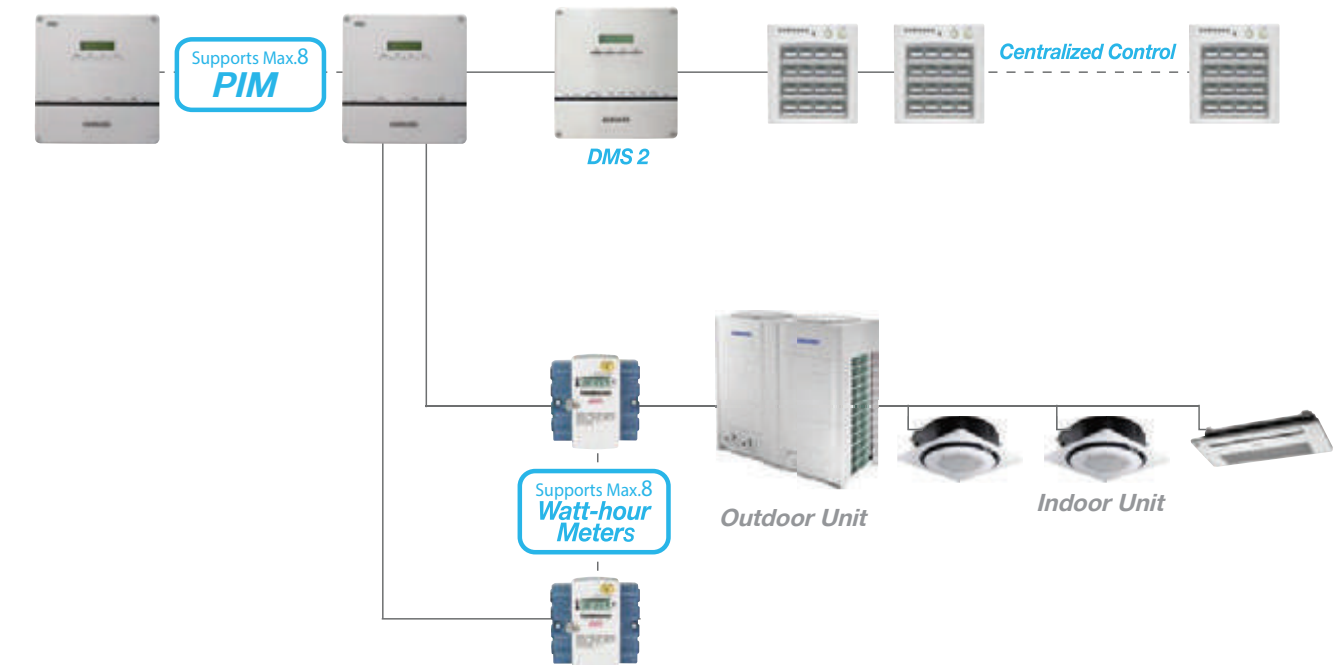
Watt-hour Meter Interface Module MIM-B16N PIM (Pulse Input Module)

The Watt-hour Meter Interface Module can be exclusively used for DMS 2.5 power distribution, displaying power consumption for each watt-hour meter.

- Exclusive use for DMS 2.5 power distribution
- Connection with up to 8 watt-hour meters
- Pulse interface with watt-hour meters
- Watt hour meter - by 3rd party



Connection



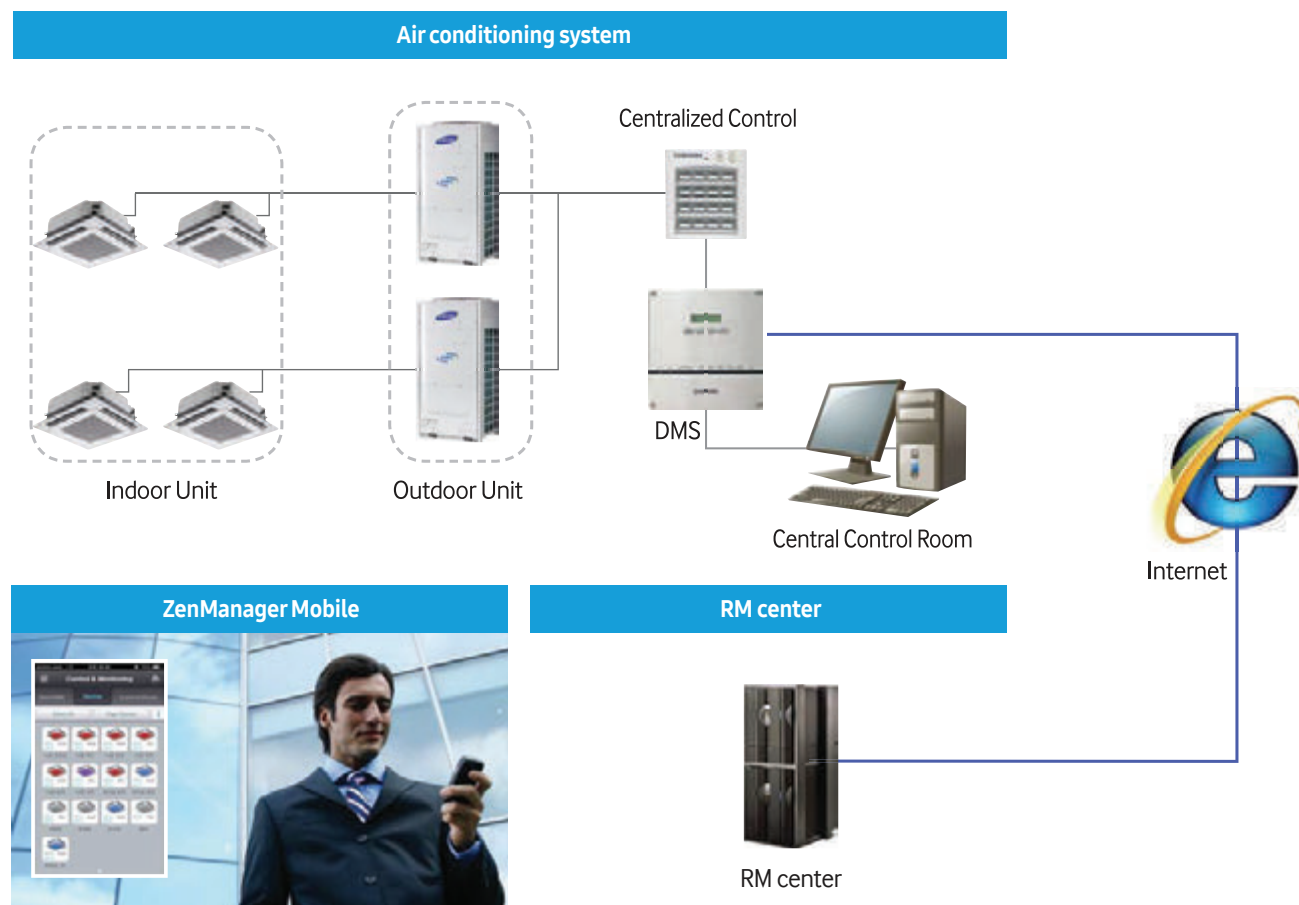
CONTROL SYSTEM

Remotely monitor operations 24/7 for the ultimate in convenient control

Zen Manager enables seamless remote control and 24-hour monitoring via the Internet. It offers users reports and notifications to update users on the operation status of the air conditioning unit.

RMS MST-R5D

- Real-time: Remote Monitoring and Control via Internet
- Group Management : Manage Multiple Sites by Grouping
- Analysis Uptime and Power Usage of Air Conditioning Unit
- Report on Usage Trend, Ranking and Usage Comparison of Multiple Sites
- Mobile App
- Fault Detection and Mobile App Notification
- Cycle Data Backup and Check Cause Failure



CONTROL SYSTEM

Group Management

- Multiple sites can be managed at one place
- Usage comparison of multiple sites



Remote Fault Detection

- Remote fault detection and check reason
- Service notification



Report

- Weekly and monthly report for usage trend



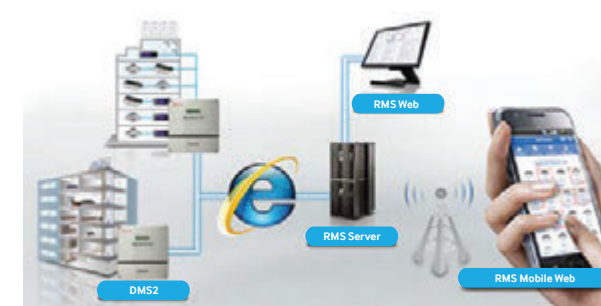
User Friendly Widget

- Chart and List Widget
- Indoor unit Widget



Mobile App

- Monitoring and control from anywhere
- Fault detection



Data Analysis

- Analyse uptime and power usage
- Back up cycle data



CONTROL SYSTEM

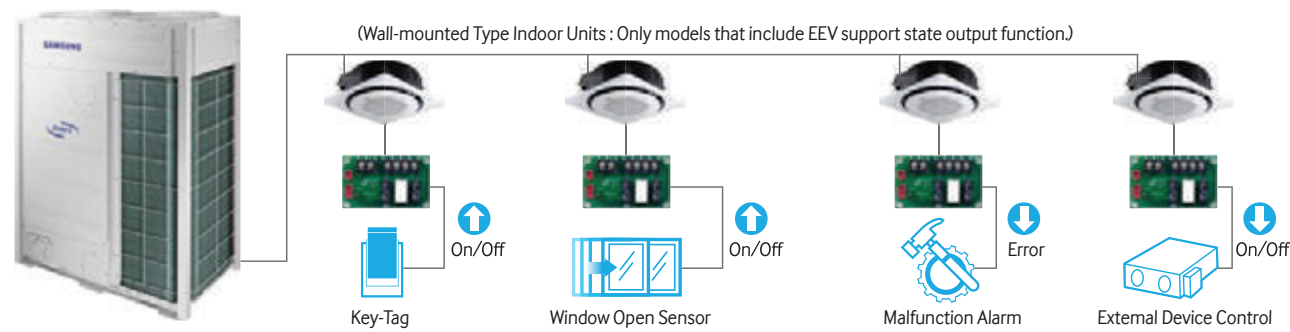
GUESTROOM MANAGEMENT MODULE

Guest Room Management system saves you energy and money on cooling an unoccupied room. The air conditioner is activated when Key-Tag is in place and turns off when Key-Tag is removed.

External Contact Interface Module **MIM-B14**

Samsung Guestroom Management System saves users the energy and money wasted on cooling an unoccupied room. The air conditioner is activated when the Key-Tag is in place and turns off when the Key-Tag is removed. An external contact interface module provides direct indoor unit control via an external contact signal, as well as window-synchronized indoor unit control. The emergency control function features simple contact input. Plus the module generates indoor unit operation/error state output through relay contacts.

- Direct indoor unit control by external contact signal
- Window-synchronised indoor unit control
- Emergency control with simple contact input
- Indoor unit operation/error state output through relay contacts



CONTROL SYSTEM

NEW DVM-PRO

Samsung's new DVM-Pro is an advanced design and automation tool that can be used in AutoCAD-based CAD mode or Windows®-based Sales mode. This new program can help you in selecting the right type of air conditioner equipment so that you can easily and precisely design your air conditioning system.

Sales Mode

The Sales Mode enables users to customise their air conditioning system by selecting the following categories:

- Connection : Indoor unit and outdoor unit connection with accessory
- Piping : Basic or manual selection with system check and capacity simulation
- Wiring : Automatic diagram with communication wiring of indoor/outdoor/control units and electric power meters
- Control system : Automatic control unit selection
- Report : Specifications, diagrams with DWG & BMP format, quotation

Download!

<http://pvi.samsung.com> Download Center Software NEW DVM-Pro

* E-mail : dvm.pro@samsung.com



CAD mode

The CAD mode provides quick, easy, precise design, enabling users to customize their air conditioning system using AutoCAD add-on software. (AutoCAD is not included in New DVM-PRO.) This mode features:

- AutoCAD is not included in DVM-PRO
- Automatic Calculation : Refrigerant & drain pipe size
- Automatic Selection : Refnet joint, header & distributor kit
- System Check : Installation regulation & refrigerant addition
- Easy Control System Selection
- Automatic Report : Piping installation diagram, equipment list & quotation



* Contact to Samsung HQ or Distributors for NEW DVM-Pro!

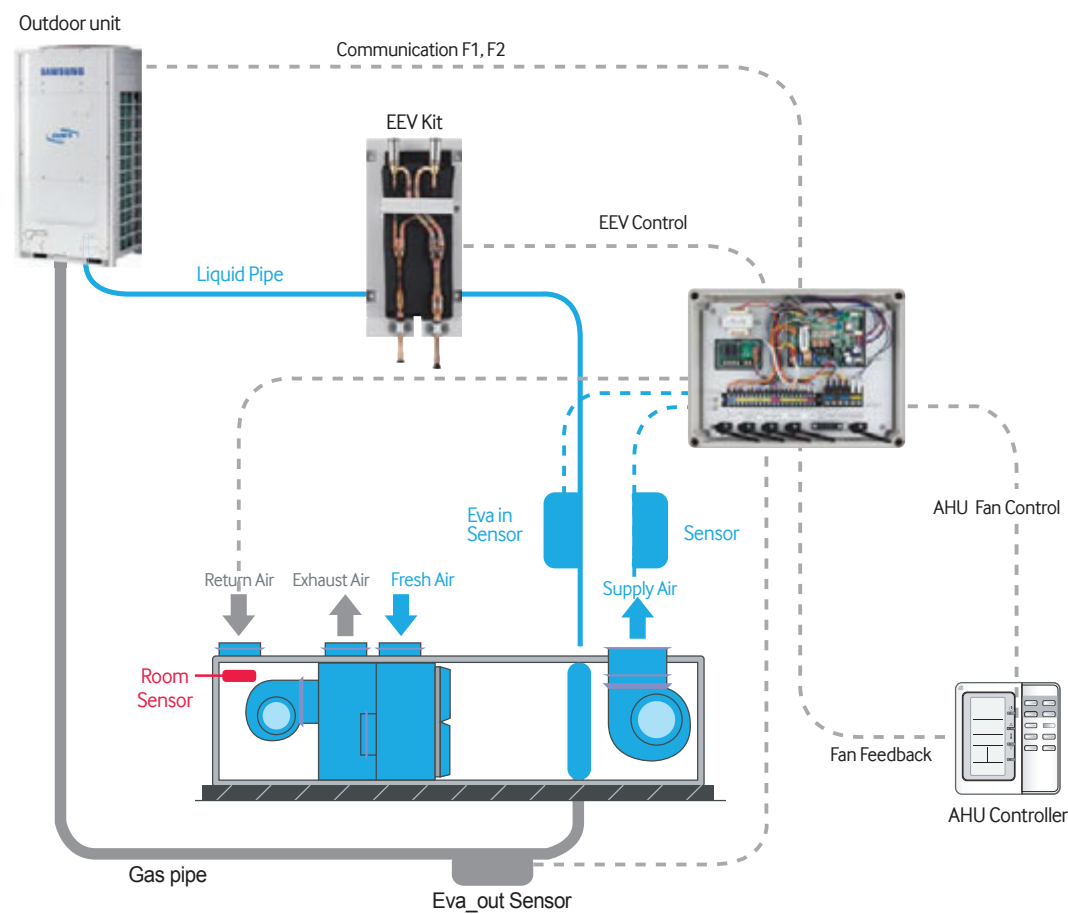
CONTROL SYSTEM

Optimize performance and energy savings with seamless AHU connectivity

Samsung AHU Kit allows DVM S outdoor units to connect to air handling units (AHUs), which results in energy savings and improved performance and efficiency.

Features includes:

- IP54 waterproof certification
- Variable capacity
- 2.5HP – 40HP
- Simple BMS application
- 0-10V
- Discharge air temperature control



CONTROL SYSTEM

Line-up

CLASSIFICATION	PRODUCT	IMAGE	MODEL		APPLICATION		
			DVM, CAC (New Communication Protocol)	CAC, FJM			
Integrated Management System	Controller		MST-P3P	MST-P3P	Excluding(DVM chiller, FCU kit)		
			MST-S3W		Cassette & Ceiling		
			MIM-D00A		Cassette & Ceiling		
	Interface Module		PIM (Electricity meter)	MIM-B16N	MIM-B16	Excluding(ERV, DVM chiller, FCU kit)	
			SIM (RS485 Comm. Electricity meter)	MIM-B12N		Excluding(ERV, DVM chiller, FCU kit)	
			ZenManager	MST-R5D	MST-R5D	Mobile	
Building Management Module	Gateway		LonWorks Gateway(New)	MIM-B18N	MIM-B18	Including(DVM chiller, FCU kit)	
			BACnet Gateway(New)	MIM-B17N	MIM-B17	Including(DVM chiller, FCU kit)	
			LonWorks Gateway Interface		MIM-B07		
Centralized Control System	Controller		Centralized Touch Controller	MCM-A300N	-		
			Function Controller	MCM-A100	MCM-A100	Cassette & Ceiling	
			On/Off Controller	MCM-A202DN	MCM-A202D	Cassette & Ceiling	
			Operation Mode Selection Switch	MCM-C200	-	DVM S Series (Except HR Models)	
	Interface Module		External Contact	MIM-B14	MIM-B14		
			MTFC (Multi Tenant Function Controller)	MCM-C210N			
			Centralized Control Interface Module		MIM-B13D	For connecting Centralized control system	
			FCU interface module	MIM-F10N			
			Compatible interface module	MIM-N01	MIM-N01	Old & New protocol	
			Zone Control Package (Zone Controller & Relay)	MWR-ZS00N	MWR-ZS00	Duct S Inverter Models	
			Zone Controller	MWR-ZS10N	MWR-ZS10	Duct S Inverter Models	
	System Controller	Controller		Wired Remote Controller	MWR-WE11N	MWR-WE10	360 CST air folw display
				Wired Remote Controller	MWR-WE10N		Cassette, Duct & Ceiling
				Wired Remote Controller	MWR-WW00N	-	DVM S Hydro Unit
				Wired Remote Controller	MCM-A00N		For DVM chiller
Wired Remote Controller				MWR-TH01		Cassette, Duct & Ceiling	
Wired Remote Controller					MWR-WH00	Connect Wire length : 10m (SEC)	
Wired Remote Controller					MWR-WH02	Connect Wire length : 3m (SSEC)	
Simplified wired Remote Controller				MWR-SH10N		Touch controller, Built in Temperature sensor	
Simplified wired Remote Controller				MWR-SH00N	MWR-SH00		
Simplified wired Remote Controller				MWR-VH12N	MWR-VH02	ERV	
Wireless Remote Controller (H/P)				MR-EH00	MR-EH00		
Wireless Remote Controller (C/O)				MR-EC00	MR-EC00		
Wireless Remote Controller				MR-DC00	MR-DH00		
Wireless Remote Controller				MR-AC01	MR-AH01	Cassette, Duct & Ceiling	
Individual Control System	Sensor		AR-KH00E				
			Wi-Fi Kit	MIM-H03N	MIM-H03	MIM-H03R (*)	
			RAC Extension Board		MIM-A00		For connecting wired remote controller and external contact interface module
			Wireless Signal Receiver package (With Receiver wire)	MRK-A10N	MRK-A10N		DVM S Series (for Ducted indoor unit) Single Global Duct
			Wireless Signal Receiver package (With Receiver wire)	MRK-A00	MRW-10A		Duct (Wireless remote controller)
Test Run Tool	S-Converter		S-Converter (S-NET Pro)	MIM-C02N	MIM-C02N	Converter for communication with PC	
			S-Checker	MIM-C10N	-	Connection with mobile device	

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Accessories

CLASSIFICATION	IMAGE	MODEL		APPLICATION
		DVM S (New Communication Protocol)	CAC, FJM	
Drain Pump		MDP-E075SEE3D	MDP-E075SEE3	Slim Duct(2.0 ~ 14.0 kW)
		MDP-M075SGU1D	MDP-M075SGU1	M.S.P Duct(9.0/11.2 kW)
		MDP-M075SGU2D	MDP-M075SGU2	M.S.P Duct(12.8/14.0 kW) H.S.P Duct(11.2/14.0 kW)
		MDP-M075SGU3D	MDP-M075SGU3	M.S.P Duct(5.6/7.1 kW)
		MDP-N047SNC0D		Fresh Air Intake Duct (14.0 kW)
		MDP-N047SNC1D	MDP-N047SNC1	H.S.P Duct(22.4/28.0 kW) Fresh Air Intake Duct (22.4/28.0 kW)
			-	MDP-G075SP
		-	MDP-G075SQ	Global Duct (Internal Type)
PDM Kits (High Elevation Kits)		MXD-A38K2A	-	8~12 HP
		MXD-A12K2A	-	14~16 HP
		MXD-A58K2A	-	18~22 HP
AHU Kits		MXD-K025AN	-	7.0 ~ 8.75 kW AHU
		MXD-K050AN	-	14.0 ~ 17.5 kW AHU
		MXD-K075AN	-	21.0 ~ 26.25 kW AHU
		MXD-K100AN	-	28.0 ~ 35.0 kW AHU
		MXD-A64K100E	-	AHU EEV Kit (10HP)
		MCM-D201N	-	Control Kit (PBA, 10HP~40HP)
Humidifier		MVO-VA050100	-	500 CMH (ERV Plus)
		MVO-VA100100	-	1,000 CMH (ERV Plus)
4 Way Cassette Front Panel		PC4NUDMAN	PC4NUDMAN	NASA, Square
		PC4NBDMAN	PC4NBDMAN	NASA, Square - Black
		PC4NUNMAN	PC4NUNMAN	NASA, Circle (Exposed installation)
		PC4NBNMAN	PC4NBNMAN	NASA, Circle (Exposed installation) - Black
4 Way Cassette Front Panel		PC4NUSKAN	PC4NUSKA (Korea) PC4NUSMA (China)	4Way Cassette S - Waffle
		PC4NUSKEN	PC4NUSKE (Korea) PC4NUSME (China)	4Way Cassette S - Classic
		PC4NUSKFN		4Way Cassette S - Classic (North America)
		PC4NBSKAN	PC4NBSKA	4Way Cassette S - Black
		-	P4SMA	4Way Cassette
4 Way Cassette (600 x 600) Front Panel		PC4SUSMAN	PC4SUSMB	4Way Cassette S (600x600) -Waffle
		PC4SUSMEN	PC4SUSMF	4Way Cassette S (600x600) -Classic
1 Way Cassette Front Panel		PC1MWSKAN, PC1NWSMAN, PC1BWSMAN	-	1Way Cassette (New Air Fluid Design) (1.7~2.2kW)
		PC1NUSMAN	PSSMA	Slim 1Way Cassette (2.2~3.5kW)
		PC1BWEAN	-	Slim 1Way Cassette (5.6~7.1kW)
		PC1NUPMAN	PC1NUPMA	Slim 1Way Cassette Z-Sliding (2.2~3.5kW)
		PC1BWPEAN	-	Slim 1Way Cassette Z-Sliding (5.6~7.1kW)
2 Way Cassette Front Panel		PC2NUSMEN		2Way Cassette
Virus Doctor		MSD-CAN1	MSD-CAN1	4Way Cassette S 4Way Cassette S (600x600)
		MSD-EAN1	MSD-EAN1	ERV, Global Duct
Motion Detect Sensor		MCR-SMA	MCR-SMA	4Way Cassette S (600x600)

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Accessories

Classification	Image	Model	APPLICATION
Y-joint		MXJ-YA1509M	15.0 kW and below
		MXJ-YA2512M	Over 15.0 kW ~ 40.0 kW and below
		MXJ-YA2812M	Over 40.0 kW ~ 45.0 kW and below
		MXJ-YA2815M	Over 45.0 kW ~ 70.3 kW and below
		MXJ-YA3419M	Over 70.3 kW ~ 98.4 kW and below
		MXJ-YA4119M	Over 98.4 kW ~ 135.2 kW and below
		MXJ-YA4422M	Over 135.2 kW
Y-Joint (HR Only)		MXJ-YA1500M	22.4 kW and below
		MXJ-YA2500M	Over 22.4 kW ~ 70.3 kW and below
		MXJ-YA3100M	Over 70.3 kW ~ 135.2 kW and below
Y-Joint (Outdoor Unit)		MXJ-TA3419M	135.2 kW and below
		MXJ-TA4122M	140.2 kW and Over
Y-Joint (HR Outdoor Unit)		MXJ-TA3100M	135.2 kW and below
		MXJ-TA3800M	140.2 kW and Over
Distribution Header		MXJ-HA2512M	45.0 kW and below (for 4 rooms)
		MXJ-HA3115M	70.3 kW and below (for 8 rooms)
		MXJ-HA3819M	Over 70.3 kW ~ 135.2 kW and below (for 8 rooms)
MCU		MCU-S6NEK2N	6 ports, max 61.6kW (~16kW/1port)
		MCU-S4NEK3N	4 ports, max 61.6kW (~16kW/1port)
		MCU-S2NEK2N	2 ports, max 32.0kW (~16kW/1port)
		MCU-S1NEK1N	1 port, max 16.0kW (~16kW/1port)
EEV Kit		MXD-E24K132A	2 Indoor
		MXD-E24K200A	
		MXD-E32K200A	
		MXD-E24K232A	3 Indoor
		MXD-E24K300A	
		MXD-E32K224A	
		MXD-E32K300A	
PDM Kit		MEV-E24SA	1 Indoor
		MEV-E32SA	
PDM Kit		MXD-A38K2A	8~12 HP
		MXD-A12K2A	14~16 HP
		MXD-A58K2A	18~26 HP