AnD CABLE PRODUCTS
INTELLIGENTLY DESIGNED RACK MANAGEMENT

Modular Data Center (MDC) Product Specifications

SKU		E2F-R1M-10	E2F-R2M-10DX	E2F-R5M-25DX	E2F-R10M-50DX	E2F-R4-50DX	E2F-R4T-50DX	E2F-R20M-100DX	E2F-R10-100DX	E2F-R20-250DX	E2F-R0-350DX	E2F-R10-350DX
Overview												
Application	Site	IP55, indoor or outdoor										
	Elevation	≤1,000m / 3,280ft, maximum 3,000m /9,843ft (de-rated for the elevation over 1,000m)										
	Temperature	Adapt to temperature range -20~45°C/-4°F~113°F										
	Humidity	5%~100%RH (Relative Humidity)										
Certification		Compliant to TIA-942 standard, Grade Tier 3 (optional)										
Inlet Temperature		18°C~27°C/64.4°F~78.8°F (programmable)										
Inlet Humidity		40%RH~60%RH (programmable)										
Cooling		Natural air & evaporative cooling										
Supplemental Cooling		Optional DX (Direct Expansion) cooling system										
Containment		Cold aisle & hot aisle in different zones										
Transportation		By land, sea or air (w/o IT equipment)										
Monitoring & Controlling		Dynamic environment monitoring system										
Insulation		Minimum thickness of the insulation: 50mm (1.96in) @ top & sides; Thermal conductivity ≤ 0.0085W/m*K										
Exterior Housing Color		Customized color and logo										
Layout		All-in-one rack	Micromodule			High density		Micromodule	High density			
Indoor/Outdoor		Indoor					Outdoor	Indoor			Outdoor	Indoor
Main Input Power		220Vac-1Ph/50Hz	380Vac-3Ph/50Hz									
Cooling Capacity (kW)		10	10	30	60	60	60	120	120	300	420	420
Inlet Air Volume (m^3/h)		2,000	2,000	7,500	15,000	15,000	15,000	30,000	30,000	60,000	105,000	105,000
Inlet Air Fan Power (kW)		1	1	3	6	4.5	4.5	9	18	36	37	37
Lighting & Monitoring Power(kW)		0.5	0.5	0.6	0.67	0.6	0.6	0.76	0.8	1.6	0.8	0.8
Auxiliary Cooling Energy Efficiency Ratio		3.6	3.6	3.6	3.6	3.02	3.02	3.02	3.02	3.02	3.02	3.02
Size mm [in.]	W	/	2300 [90.55]	2000 [78.74]	4000 [157.48]	5126 [201.82]	2100 [82.68]	4000 [157.48]	5700 [224.41]	5700 [224.41]	58000 [2283.46]	5700 [224.41]
	D	/	2200 [86.61]	7500 [295.28]	4500 [177.17]	2250 [88.59]	3400 [133.86]	7500 [295.28]	6000 [236.22]	11300 [444.88]	70000 [275591]	6000 [236.22]
	H	/	2300 [90.55]	2300 [90.55]	2300 [90.55]	2950 [116.15]	2300 [90.55]	2300 [90.55]	3450 [135.83]	3450 [135.83]	/	3450 [135.83]
Rack												
Size mm [in.]	W	600 [23.62]	600 [23.62]	600 [23.62]	600 [23.62]	600 [23.62]	600 [23.62]	600 [23.62]	550 [21.65]	600 [23.62]	600 [23.62]	550 [21.65]
	D	1200 [47.21]	1200 [47.21]	1200 [47.21]	1200 [47.21]	1200 [47.21]	1200 [47.21]	1200 [47.21]	800 [31.50]	1200 [47.21]	1200 [47.21]	800 [31.50]
	H	1955 [76.97]	1955 [76.97]	1955 [76.97]	1955 [76.97]	1955 [76.97]	1955 [76.97]	1955 [76.97]	2006.5 [79.00]	1955 [76.97]	1955 [76.97]	2006.5 [79.00]
Mounting Space		42U	42U	42U	42U	42U	42U	42U	42U	42U	42U	42U
Single Rack Power (kW)		10	10	5	5	12.5	12.5	5	10	12.5	/	35
Rack Quantity (pcs)		1	2	5	10	4	4	20	10	20	0	10