



# EMS01D Second-level EMS Communication Box



Dual power source,  
220 VAC and 24 VDC for higher reliability



Up to 20 portals available for  
southbound communication interfaces



Support remote monitoring via  
Ethernet / WiFi / 4G, and local monitoring  
via web page



Various accessible interfaces  
including DI / DO, USB, SD, RS-485



IP65 outdoor design

MODEL	EMS01D
<b>Southbound Communication</b>	
Southbound EMS Communication Method	Ethernet (Electrical)
Max. Number of Southbound EMS	20
Max. Distance of Southbound Communication	100 m
Ethernet Port Parameter	10 / 100 Mbps Adaptive
<b>Northbound Communication</b>	
Northbound Communication Method (Default)	Ethernet (Electrical / Optical Fiber)
Northbound Communication Method (Optional)	WLAN / 4G
Local Display	Embedded Web
Indicator Lights	Power, Running, Fault + Ethernet Status Indicators
<b>Port Parameter</b>	
Number of RS-485 Interfaces	7
USB Interface	1 with USB2.0
SD Interface	1
Digital Input Detection Interface	8
Digital Output Control Interface	4, NO + NC
Indicator Lights	Power, Running, Fault + Ethernet Status Indicators
<b>Environmental Parameters</b>	
Operating Temperature Range	-30°C ~ +55°C
Storage Temperature Range	-40°C ~ +70°C
Operating Relative Humidity	5% ~ 95% (No condensation)
<b>Electrical Parameters</b>	
Power Supply	DC / AC Redundant Power Supply
AC Power Supply Voltage Range	90 ~ 264 Vac
DC Power Supply Voltage Range	13 ~ 36 Vdc
Standby Power Consumption	< 40 W
<b>Mechanical Parameters</b>	
O&M Method	Front Panel Access
Dimensions (W x H x D)	560 x 600 x 300 mm
Weight	35 kg
IP Degree	IP65
Installation Method	Wall / Bracket / Floor Mounted
Certification & Standard	EN55032, EN IEC 61000-3-2, EN 61000-3-3, EN 55035, ETSI EN 301511, ETSI EN 301489, ETSI EN 300328, ETSI EN 300906, EN 62368-1, EN 50665, EN 62311

