

The power behind competitiveness

# Delta InfraSuite EMS

EnviroStation EnviroProbe

## The first line to ensure data center security

Delta Electronics Environmental Management System (EMS) monitors the environment and conditions in the data center, including temperature, humidity, water leakage, as well as alarms for fire, smoke, and unauthorized entry. The EMS offers managers an integrated platform for more convenient monitoring of today's data center.

## EnviroStation

EnviroStation integrates the monitoring of the data center's environment and other conditions, and sends the data to a central manager via network. User-defined alarms ensure the data center's security.



### Easy to manage

- Assess and collect key data center information for enhanced management
- Real-time notification providing faster management response and more effective operations
- Setting manager password for greater security
- SNMP Trap allowing easy integration with any enterprise management system

### Convenience

- Monitoring via internet browser
- InsightPower Manager remote monitoring software providing prompt handling of any data center situation
- Graphical interface and historical data records for more effective management
- Real-time alarm notifications shorten management response time

### Flexibility

- Support SNMP communication protocol
- Set each alarm value according to actual requirements

#### Protocol:

- IPv4/ IPv6
- DHCP
- HTTP/ HTTPS
- SNMP v1/v3
- Telnet/ SSH
- FTP/ SFTP/ TFTP
- SMTP
- SNMP
- syslog
- RADIUS

## Technical Specifications

Model	EMS2000	
Input	Power	100~240 Vac, 50/60 Hz
	Digital Input	Wet Contact Signal <ul style="list-style-type: none"><li>• Alarm Voltage 5~24 Vdc, 1-9 mA</li></ul>
		Dry Contact Signal <ul style="list-style-type: none"><li>• Normal: Off (open circuit)</li><li>• Alarm: On (short circuit)</li></ul>
		Analog Input
	Resistance Temperature Detection	Support 2-wire or 3-wire resistance Range: 0~50°C Accuracy: ± 1°C with 3-wire PT100
Leakage	Detect Voltage < 1V (alarm signal with S-1FP leak sensor)	
Output	Sensor HUB	For connection with sensor devices (such as smoke detectors, fire detectors, or door sensors, etc) and support: <ul style="list-style-type: none"><li>+ 12V, 0.8A (max)</li><li>+ 24V, 1.0A (max)</li><li>One port limit 0.6A</li></ul>
	Delta Bus	+ 12V, 0.8A (max)
	Relay Output	26 Vdc (max), 0.8A (max)
Network Connection	RJ45	10/100 Base-T
	RS485 (X2)	Standard ModBus
	Console	Connect to PC via RJ-45 to DB9 cable (cable is included in the package) A configuration port is available for the console mode.
Alert	Warning Light	Included in the package and can connect to EMS2000 via a Sensor Hub converter (through Port 1 or Port 2) to alert for abnormal conditions.
Environment	Operating Temperature	0~45°C
	Storage Temperature	-20°C ~ 60°C
	Operating Humidity	0~ 90% RH (non-condensing)
Dimensions	Product (W x D x H)	440 x 157 x 44 mm
Weight	Product	2.4 Kg

• All specifications are subject to change without prior notice.



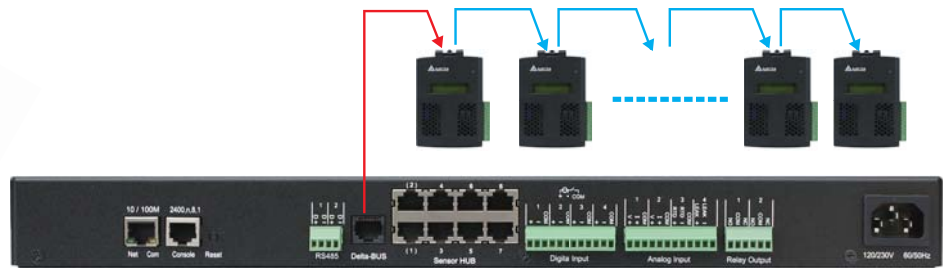
# Delta InfraSuite EMS

## EnviroProbe

EnviroProbe offers temperature and humidity monitoring in a single rack or a specified area. It also provides 4 contact closure inputs for environment sensor devices that monitor data center conditions such as security, water, fire and smoke, and it can also send the data to management via network.



Backlight LCD display



Cascade up to 10 EnviroProbes

### Easy to manage

- Monitoring temperature and humidity of the environment
- Backlight LCD display
- 4 contact closure inputs for monitoring other environmental devices

### Convenience

- Monitoring via internet browser
- InsightPower Manager software for remote monitoring and recording
- Supporting RS232 or RS485 communication

### Flexibility

- Supports SNMP communication protocol
- Cascade up to 10 EnviroProbes via RS485

### Technical Specifications

Model name	EMS1000
Voltage Input	UPS SNMP card: 12 Vdc (pin 1 & 4) PDU SNMP card: 5 Vdc (pin 2 & 4)
Indicator	Temperature, Humidity
Dimensions (HxWxD)	Unit: 30 x 66 x 99 mm Package: 43 x 97 x 110 mm
Weight	Unit: 120g Shipping: 140g
Temperature	Measurement: 0 ~ 45°C Storage: -20 ~ 60°C Accuracy: ± 1°C @ 15 ~ 35°C ± 2°C @ 0 ~ 15°C and 35 ~ 45°C
Humidity	Measurement: 20 ~ 90% RH (Non-condensing) Storage: 0 ~ 90% RH (Non-condensing) Accuracy: ±10% RH
Altitude	0 ~ +10,000 ft
Conformance	CE EN55022 (CISPR 22) Class B

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