



Environment Monitor System

GN0116



The GN0116 is a sensing, reporting and control system that enables remote environmental monitoring and management of your critical computer systems over TCP/IP. IT administrators can evaluate data center conditions from any computer connected to the LAN or Internet, keeping an eye on things that would otherwise require local staffing, including: watching the temperature and humidity of a rack or an entire room to detect fan or HVAC problems, monitoring the AC voltage and current draw to head off imminent device failures, and looking at other environmental issues such as water on the floor, smoke in the air, or a door ajar. Serious problems can be averted by taking action as soon as a change from 'nominal' has been detected.

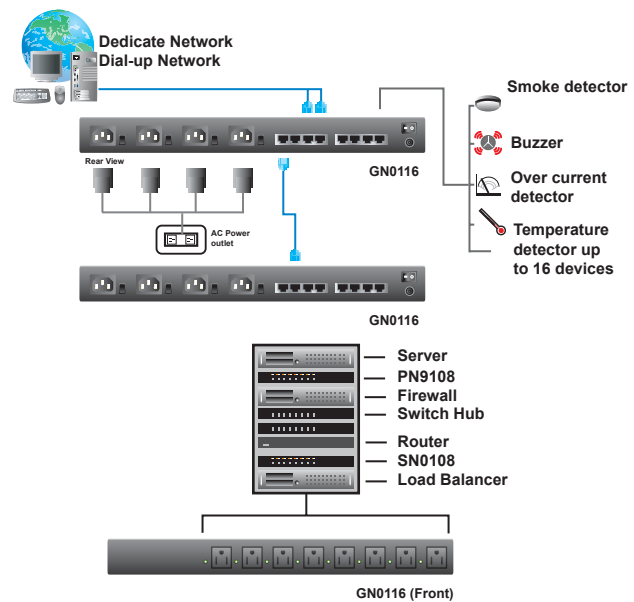
Advantages

- Remote environment control for outlets via TCP/IP
- Daisy-chain up to 255 additional stations
- Individual control of each port- administrators can define the parameters (temperature, humidity, voltage, current, etc) to allow equipment to be monitored for irregularity
- Provides two configuration/management methods: browser or serial sever console
- GUI interface
- LEDs for easy status monitoring
- Multi-user access (1 administrator, 4 users)
- Rack mountable

Package Contents

- 1 x GN0116
- 1 x AC power cord
- 1 x power outlet cord
- 1 x RS232 to RJ-45 cable
- 1 x RJ-45 cable
- 2 x temperature sensor
- 1 x rack mount kit

Diagram



Specifications

Connectors	AC Power Inlets	4 x IEC 60320/C14 Male
	AC Power Outlets (Ports 1-8/109-116)	8 x NEMA 5-15R Female; or 8 x IEC 60320/C13 Female
	Power	1 x DC Jack
	LAN	1 x RJ-45 Female (Black)
	232C	1 x RS232 Jack Female (Black)
	485 Output	1 x RS-485 Chain out Jack Female (Black)
	485 Input	1 x RS-485 Chain in Jack Female (Black)
	Resistance Analog Input/Digital Output(Ports 1&2/101&102)	1 x Sensor Jack Female (Black)
	Resistance Analog Input/Digital Output(Ports 3&4/105&106)	1 x Sensor Jack Female (Black)
	Digital Input/Output (Port 201&202/105&106)	1 x Sensor Jack Female (Black)
	Voltage Analog Input/Digital Output (Ports 31&32/107&108)	1 x Sensor Jack Female (Black)
	Reset	1 x Semi-Recessed Pushbutton
	Power	1 x Rocker
	Circuit Breakers	4 x Push Switch
LEDs	Power	1 (Red)
	CPLD	1 (Green)
	MCU	1 (Yellow)
	AC Power Outlets (Ports 1-8/109-116)	8 (Green)
Input Rating	Power	DC 12V, 2.5A
	Per AC Power Intet	125V AC; 50/60Hz; 15A (Max) or 220-250V AC; 50/60Hz; 10A (Max)
Output Rating	Total AC Power Outlets (Ports 1&2/109&110)	125V AC; 50/60Hz; 15A (Max) or 220-250V AC; 50/60Hz; 10A (Max)
	Total AC Power Outlets (Ports 3&4/111&112)	125V AC; 50/60Hz; 15A (Max) or 220-250V AC; 50/60Hz; 10A (Max)
	Total AC Power Outlets (Ports 5&6/113&114)	125V AC; 50/60Hz; 15A (Max) or 220-250V AC; 50/60Hz; 10A (Max)
	Total AC Power Outlets (Ports 7&8/115&116)	125V AC; 50/60Hz; 15A (Max) or 220-250V AC; 50/60Hz; 10A (Max)
Power Consumption		DC 12V; 30W
Environment	Operating Temp.	32°-122° F (0°- 50° C)
	Storage Temp.	-4°-140° F (-20°- 60° C)
	Humidity	0-90% RH, Non-condensing
Physical Properties	Housing	Metal
	Weight	5.1 lb. (2.3 Kg)
	Dimension (LxWxH)	17.3 x 6.1x 1.8 in. (44.0 x 15.4 x 4.5 cm)



4 Digital/Analog I/O ports support up to 16 devices to regulate the status of your equipment



2 configuration/management methods.
 1. Ethernet Port for Remote Access
 2. 232C port for serial connection

RS485 output and RS485 input ports for daisy chain via CAT5 cable. Up to 255 additional GN0116's can be daisy chained down from the top level unit.



Circuit breaker switches for overcurrent protection