

SNMP Agent Frame Controller

FEATURES

- SNMP remote monitoring and control via Ethernet connection.
- Automatic "Trap" transmission on major alarms.
- Own designated slot in the FRU-1034 1RU frame.

GENERAL

The CDM-1000 is a Simple Network Management Protocol (SNMP) Agent for use in IRT's FRU-1034 1RU frame. It occupies its own designated slot in the rear of the frame, next to the power input socket, so it does not affect the number of modules that can be used within the frame.

The CDM-1000 can communicate with all modules in an FRU-1034 frame that are fitted with an SMU-4000 SNMP Interface sub-board, or have inbuilt SNMP facilities. The information obtained is forwarded via an Ethernet connection to any SNMP Network Management System (NMS) whose address is configured in the CDM-1000.

The CDM-1000 holds parameters such as Frame Name, Address and Location. This information may be set via an RS232 Configuration port.

The NMS third party software (not supplied by IRT) polls the CDM-1000 to remotely monitor and control the frame and its SNMP capable modules.

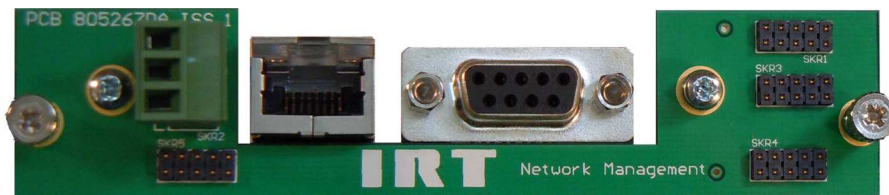
In the event of a major alarm from any of the modules an alarm condition, known as a Trap, is automatically sent without any prompting from the NMS.

A relay output indicates loss of power to the frame that it is plugged into.

Ethernet connection is via an RJ45 connector and the RS232 is via a D9 female connector on the rear of the frame. Modules that are being monitored and controlled share a common data bus on the frame.

SNMP monitoring and control finds particular use in remote or unmanned locations such as transmitter sites, or where control via a computer is desired.

As the CDM-1000 can be assigned its own IP Address, multiple sites can be monitored and controlled via the one NMS. Alternatively, multiple NMS's in different locations can be used to monitor and control the same site.



TECHNICAL SPECIFICATIONS

Ethernet:

Rate 100 baseT / 10 baseT.
Connector RJ45.

RS232:

Rate 9600 baud.
Connector Female D9.

SNMP:

Version 1.
Configurable settings sysContact;
sysName;
sysLocation;
Agent IP address;
NMS IP address (max 5);
Gateway IP address;
Subnet mask;
Community;
Agent port number;
Trap port number.

Power Requirements:

Voltage 28 Vac CT (14-0-14) or ± 16 Vdc.
Power consumption < 5 VA.

Other:

Temperature range 0 - 50° C ambient.
Mechanical Suitable for mounting in IRT 1RU 19" rack chassis with SNMP capability.