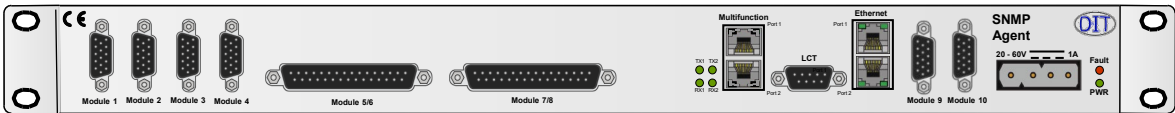


SNMP AGENT



- 1U Compact Construction
- 19" and ETSI Rack mounting options
- Local alarm monitoring and Control
- Monitor up to a maximum of 72 dry contact closure inputs
- Analogue I/F Option
- Supports SNMP V1 traps
- Remote TELNET sessions supported
- Supports RS232/422 Interfaces
- Compatible with SNMP based network management system
- Access via Ethernet and Serial Ports

The D&IT SNMP Agent expands network monitoring capabilities quickly and efficiently without the need for custom programming. The SNMP Agent may be utilised to collect environmental and equipment status alarms and report them to a 3rd party SNMP management system.

In particular for **Multi-Vendor Networks**, the SNMP Agent addresses the need for a cost effective solution to integrate into a common management architecture.

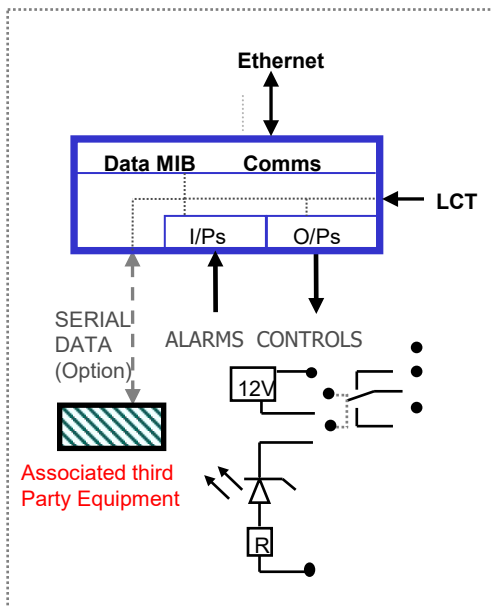
Product Overview

The SNMP Agent has a dedicated number of alarm/event inputs and control outputs. (24 inputs and four outputs). Provision is made for additional I/O (Six slots for plug-in modules (PIMs)) should additional interfaces be required. The Six slots can be equipped with input, output or Analogue plug-in modules.

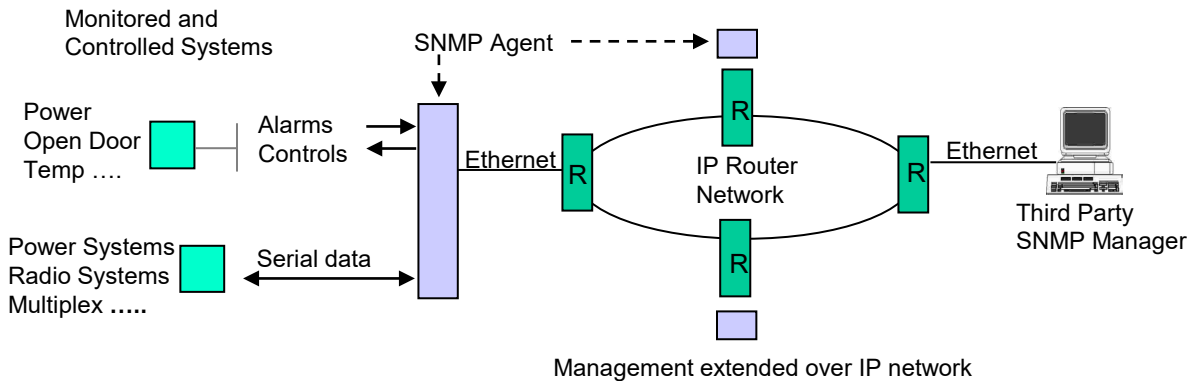
Whilst 2 x Ethernet ports are provided to be used for Network access, the unit also includes two multifunction (serial data) ports, that can be utilised either for SNMP network access (with associated ppp link) or as a means to connect locally to third party equipment.

The unit has the capability to run custom protocols over the serial links to third party equipment e.g. for the purposes of extracting alarms, which can be mapped into a D&IT MIB, for use with the appropriate SNMP message sets. Examples include co-located power systems.

LCT access is via a 'D' type connector on the front panel.



Example Application



Application Profile

The SNMP Agent may be utilised to collect environmental and equipment status alarms and report them to your 3rd party SNMP management system. Control output examples include radio transmitter switching, open cabinet door, etc.

In addition to the base inventory, the SNMP Agent supports six positions for plug-in-modules (3 types). A PIM provides either eight inputs, four control outputs or 2 x analogue interfaces (example applications include 4-20mA current loop working). On the Input PIM it is possible to isolate input blocks, alternatively a wetting voltage is provisioned. Control outputs are provisioned by a changeover relay contact set, the second set of contacts are used internally to verify relay operation.

A typical application is shown above.

As previously stated, the unit has the capability to run custom protocols to communicate serially with and manage third party equipments.

Since the SNMP Agent handles the transmission of alarms, the system effectively incorporates out-of-band and legacy devices into an integrated network management system.

For Analogue PIMS, traps can be sent when a predefined threshold is exceeded. However the analogue value is being continuously monitored (if set) on board the unit and entered (Raw value) into the MIB. This value can be retrieved at any time (polled) by the SNMP manager issuing an SNMP "GET".

SPECIFICATION

Enclosure	1U (1.75") ventilated enclosure
Rack Practice	19" – alternative brackets for ETSI rack practice also available
Depth	200 mm
Weight	Approximately 2.5 kg
Connectors	
LCT	1 x 9-way 'D' male
Ethernet	2 x RJ45
Serial	2 x RJ45 supporting RS422/RS232 options
Power	4-way Slimline Trident
Power Supply	24V or 48V nominal (20 V DC to 60 V DC), positive or negative ground permitted
Power Consumption	10W Maximum (when no analogue PIMs fitted) – additional 6W (max) if 6 x analogue PIMS fitted
Status Indication	Four LEDs indicate serial data port status
Power	Green=OK, Red=Unit Fault
I/O Modules	Physical provision for six additional modules (Input, Output or Analogue PIMS)
Environmental	Meets the appropriate requirements of EN300-019 EEE producer registration number WEE/BH2828WV
EMC	Meets the appropriate requirements of R&TTE under Directive 1999/5/EC and EMC Directive 89/336/EEC
Safety	Meets the requirements of LVD 73/23/ECC (EN 60950)

