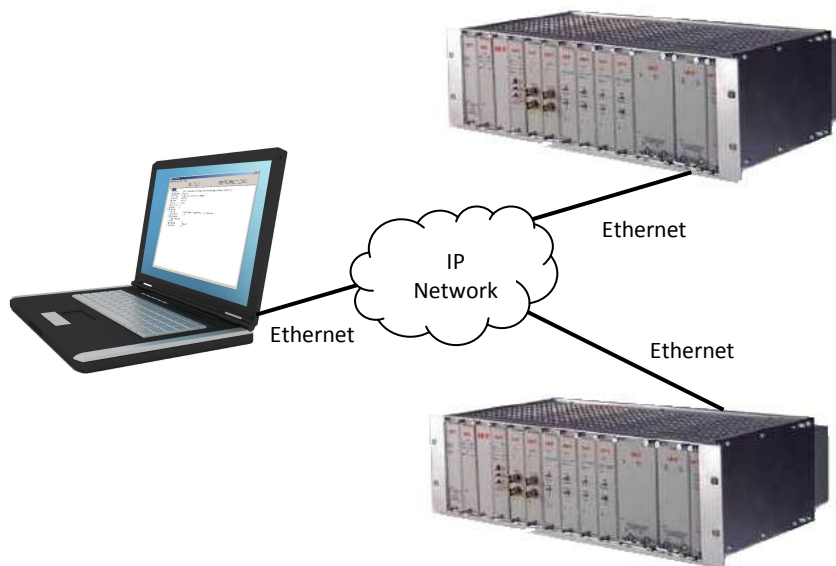


IRT SNMP GUI Software

FEATURES

- Communication with up to 8 frames.
- Easy to use tree structure.
- Monitor and control SNMP functions.
- 5 second polling option.
- In built Trap receiver.

SNMP SETUP



GENERAL

The IRT SNMP software is a simple Windows based¹ program for monitoring and controlling IRT cards fitted with SNMP capability via a computer acting as a Network Management System (NMS).

Up to 8 frame IP addresses can be accessed and individually named.

The structure is a tree structure requiring just a mouse click to open folders corresponding to the frame and to individual cards installed within the frame.

By clicking on a module position, information about the module is updated. A module can also be polled automatically every 5 seconds.

A Trap is an alarm function automatically sent, if enabled, to the NMS without being prompted by the NMS to do so. With the Trap receiver function turned on², Traps are automatically received and displayed. Traps can be individually acknowledged, and individually or all deleted.

The IRT SNMP software is available free as a download from IRT's website.

Note: requires to be run in conjunction with SNMP MIBs of modules of interest, also downloadable from web site.

1 Designed for use on Windows Server 2003 and XP.

2 Third party SNMP and TRAP receiving software must be disabled before using this function.

TECHNICAL SPECIFICATIONS

Typical screen shot with one of the slots (slot 2: MMM-4681 card) expanded, and Trap receiver turned ON:

The screenshot displays the IRT SNMP Browser application. The top menu bar includes Mibs, Statistics, Options, Poll, Traps, and Help. Below the menu bar, there are input fields for IP address (192.168.1.100), community string (2@public), and port (161). The main area shows a tree view of the SNMP hierarchy. The 'Frame 1' is expanded, showing 'irt4000FRU' and 'slotTypeTable'. 'Slot 2 : irtMMM4681' is selected and expanded, showing its configuration details.

Frame 1 Configuration:

- sysDescr : CDM-1000 Frame Controller Module. Embedded SNMP Agent Software Version 1.3
- sysObjectID : irtCDM1000
- sysUpTime : 0 Days 4 Hours 44 Minutes 18 Seconds
- sysContact : fred@irt
- sysName : CDM-1000
- sysLocation : Sydney
- sysServices : 1
- ifNumber : 0

Slot 2 : irtMMM4681 Configuration:

- sysDescr : MMM-4681 4 Channel ASI to G.703(STM-1) Combiner. Embedded SNMP Agent
- sysObjectID : irtMMM4681
- sysUpTime : 0 Days 9 Hours 16 Minutes 42 Seconds
- sysContact : See Parent Frame
- sysName : MMM-4681
- sysLocation : See Parent Frame
- sysServices : 1
- ifNumber : 0
- irt4681MMM
 - alarms : nonUrgentAlarm
 - globalBandwidthCappi : enabled
 - channelInfoTable
 - channelInfoEntry

Channel Number	1	2	3	4
channelPresent	notPresent	notPresent	notPresent	notPresent
channelEnabled	enabled	enabled	enabled	enabled
channelPacketSize	bytes188	bytes188	bytes188	bytes188
channelDataRate	0	0	0	0
channelDataRateLimit	45000000	60000000	20000000	20000000
channelRateAlarm	noAlarm	noAlarm	noAlarm	noAlarm
channelAlias	CHAN 1	CHAN 2	CHAN 3	CHAN 4
 - inputConfig : invertedNRZ
 - fpgaVersion : 6.8
 - reset : 0
 - generalAlarmTrapEnab : notEnabled
 - chanRateAlarmTrapEna : enabled
 - chanPresTrapEnable : enabled
- reset : 0
- trapEnable : disabled
- webstatus : off

The bottom of the interface features a table with the following columns: Ack, Date/Time, Frame, Trap Name, sysObjectID, sysName, and No. The table is currently empty.