



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

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 part SNMP and Trap receiving software must be disabled before using this function.

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

Frame 1

- 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
- irt4000FRU
 - alarms : urgentAlarms : urgentAlarms : nonUrgentAlarm
 - fpgaVersion : 1.3
 - slotTypeTable
 - slotTypeEntry
 - slotOID
 - Slot 1 : irtMDC4570
 - Slot 2 : irtMMM4681
 - 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

channelNumber	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

Ack	Date/Time	Frame	Trap Name	sysObjectID	sysName	No.
<input type="checkbox"/>						

Detailed specifications available from:

Manufacturer:
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IRT can be found on the Internet at:
<http://www.irtelectronics.com>