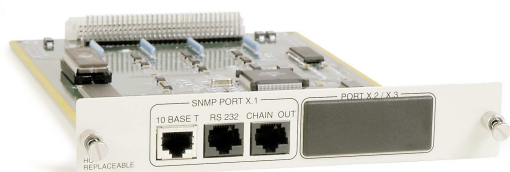


SNMP AGENT MODULE

SNMP Management Module for the TSU/TDU



FEATURES

- **Modular SNMP management and control for TSU T1-FT1 DSU/CSU**
- **10BaseT interface for LAN connection**
- **SLIP RS-232 interface for serial connection**
- **Proxy connection to support additional TSU & ISU devices**
- **Provides SNMP management of 16 external non-SNMP devices**
- **Supports SNMP, TELNET and T-Watch PRO via TCP/IP**
- **MIB-II, ARP, ICMP and PING support**
- **Easy configuration from front panel, VT100 terminal, TELNET or T-watch PRO**
- **Standard 5 year warranty**

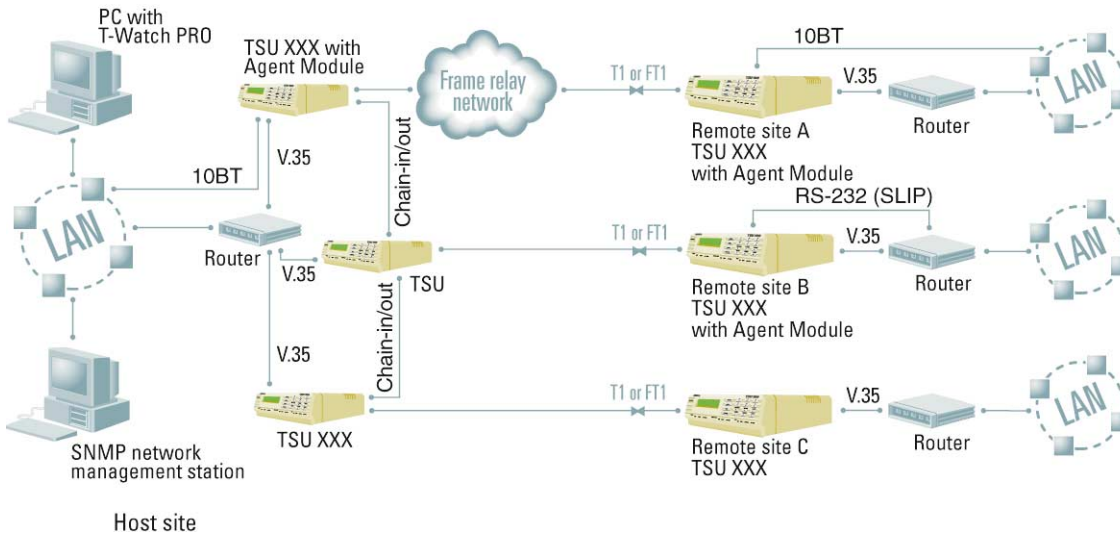
The SNMP Agent module provides SNMP and TELNET management of TSU 100/120/600 and TDU 120 units. When inserted into a TSU/TDU option slot, the module provides both a 10BaseT Ethernet and a SLIP RS-232 port for LAN or serial connection to a host SNMP network management station. For configuration, the Agent module provides set-up through a VT100 terminal or the optional Windows® based T-Watch PRO™ software.

Through the Management Information Base (MIB)-II standard and an ADTRAN supplied enterprise MIB, the SNMP Agent module can be configured and monitored using standard SNMP network management programs such as HP OpenView®, Netview® and SunNet® Manager. Up to 16 non-SNMP TSUs can be controlled via the chain-in/chain-out port, 8k inband channel over the DTE data or through the T1 FDL.

For troubleshooting, the SNMP Agent module has several key features to aid the Network Manager or MIS specialist. By providing alarms to the SNMP workstation, the Agent module alerts the manager to a trap condition. In order to further investigate the alarm, the optional T-Watch PRO software package allows full TSU/TDU and module monitoring and configuration over the LAN. This new version of the popular software also controls non-SNMP managed TSU/TDU devices.

The TSU (T1 Service Unit), TSU LT, TSU ESP, TSU 100, TSU 120, TSU 600, and TDU 120 are intelligent, full-featured T1 DSU/CSUs, designed to interface customer DTE to T1 or Fractional T1 services.

The SNMP Agent module is one of a many application-specific modules available for the TSU 100/120/600 and the TDU 120. The ability to combine different expansion modules with plug-on boards provides a variety of interface port combinations for voice, data, and video applications. Several application-specific expansion modules are available for flexibility and growth including the Nx56/64 (V.35), DSX-1 PBX, OCU DP, 2FXS+, 2FXO, E&M, D&I, DBU and V.34 Modem.



Product Specifications

10BaseT Network Interface

- Specification: IEEE 802.3 Compliant
- Rate: 10 Mbps
- Physical Interface: RJ45 (AT&T 258A) Modular Connector

Front Panel TSU Indicators

- Transmit
- Receive
- Link Status
- Controller Access

Receiver Sensitivity

- (>) 300mV

Supported Protocols

- Network: IP
- Transport: TCP, UDP
- Service: SNMP, TELNET, ICMP, ARP, PING and T-Watch PRO

SLIP/RS-232 Network Interface

- RS-232

Rates

- 1,200, 2,400, 9,600, 19,200, 38,400 bps

Physical Interface

- RJ45 (AT&T 258A) Modular Connector, DCE Pinout

Supported Protocols

- Network: IP
- Transport: TCP, UDP
- Service: SNMP, TELNET, ICMP, ARP, PING and T-WATCH PRO

Proxy (Chain Out) Interface

Specification

- RS-232

Rates

- 1,200, 2,400, 9,600, 19,200, 38,400 bps

Signals

- RXD, TXD

Physical Interface

- RJ45 (AT&T 258A) Modular Connector, DTE Pinout

Supported Protocols

- Link: ADLP
- Service: T-Watch PRO, ATEL

MIB Support

- MIB II
- RFC 1406
- ADTRAN DS1 Extension MIBs
- TSU XX0 Enterprise MIBs

TRAP Support

- MIB II SNMP Traps
- TSU XX0 Enterprise Traps

ROM Upgrade

- FLASH via SLIP Port

Module Specifications

- Hot Replaceable
- Standard TSU, TDU or HSU Option Slot Format
- Accepts Plug-On Modules

Ordering Information

EQUIPMENT	PART #
■ SNMP Agent Expansion Module:	1200160L1

Specifications subject to change without notice.

T-Watch PRO is a trademark of ADTRAN, Inc.
 HP OpenView is a registered trademark Hewlett Packard Company
 NetView is a registered trademark of IBM Corporation
 SunNet Manager is a registered trademark of Sun Microsystems, Inc.
 Windows is a registered trademark of Microsoft Corporation

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