

PL700: Main Control Processor

Features & Benefits:

- ❖ SNMP protocol based Remote Management
- ❖ Telnet/CLI RS-232 interface
- ❖ Field upgradeable
- ❖ Event logging and storage of the last 128 events
- ❖ Configurable trap destinations
- ❖ Software upgrade capabilities via FTP
- ❖ Software download for all plug-in cards via MCP
- ❖ Hot-swappable
- ❖ Card/port zoom-in provides full setup and monitoring capabilities
- ❖ Three Ethernet ports supported by an on-board Ethernet switch



Product Description

The Sat-Light/Platinum **PL700MCP** provides comprehensive management and control for all Sat-Light/Platinum fiber optic cards, redundancy switches, power supplies and communication cards. The MCP is built on a rack mounted card with an integrated graphical SNMP manager. The Java-based graphical management tool is accessible via standard web or MIB browsers. The MCP supports alarm logging, including transmitter and receiver RF and optical faults. Monitoring features include ambient temperature and RF/optical input and output power as well as software download for each card.

The **PL700 MCP** card has an RS-232 port for initialization, debug and security settings. The front panel Ethernet port connects to the user's LAN. Another two Ethernet port connections are available on the MCP's rear panel.

The Sat-Light/Platinum MCP GUI provides a "close-to-real-life" graphical representation of Sat-Light/Platinum cards residing in the 3U rack. The status of all the cards' operation is displayed and by clicking on each card; the unit's RF or optical level is displayed in dBm.

The open architecture of Sat-Light/Platinum's MIB offer management via an integrated GUI or a number of third-party management systems such as HP OpenView, IBM Tivoli and CA Unicenter.

Specifications

Main Control Processor: PL700 MCP

SNMP	
Supported MIBs	RFC-1213 [MIB-II] Private MIBs
Local/CLI	For initial setup and Telnet
Web-application Specifications	
Can be run on Microsoft Windows 98/NT/2000/XP, Sun Solaris, HP-UX, IBM-AIX, Linux MAC OS, running on PCs, SUN, HP, IBM, and MAC workstations and servers	
Can be linked to enterprise management systems such as HP/OV, IBM Tivoli, CA Unicenter, etc	
Supports SNMPv2C and MIB II standards	
All other management data is represented by a series of private MIB files	
General Specifications	
Connectors	3 × RJ-45: out of band 10/100M Ethernet connector, RS232
LEDs	Power, Alarm, Communication
Capabilities	
Chassis parameters	Configuration storage User Assigned name Card level setup Power management System information:system and user defined identification User identified port name, system
Slot/Card parameters	Card level setup
Electrical Specifications	
Supply voltage	12 Vdc
Supply current	0.35 Amps
EMI rating	FCC part 15 Class B, CE Mark
Physical / Environmental Specifications	
Operating temperature	0°C to +45°C
Storage temperature	-40°C to +85°C

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Relative humidity	95% non-condensing
Altitude	10, 000 ft [3.08 Km] with standard adiabatic derating of 2°C/1000 ft [0.3 Km] operating 40,000 ft. [12.2 Km], non-operating
Dimensions [D x W x H]	12 x 0.8 x 0.4 inches 30.5 x 2 x 10.5 cm.
Weight	0.5 lbs 0.23 Kg
Shock & Vibration	Designed for normal transportation environment per section 514.4 MIL-STD-810E. Designed to withstand 20G at 11 ms [½ sine pulse] in non-operating configuration.

All specifications are subject to change without notice.

Ordering Information

The PL700 Sat-Light/Platinum Main Control Processor is an integral part of the Sat-Light/Platinum PL7010C chassis kit which includes a chassis and two power supplies.

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