

- Remote management and Telnet/CLI interface
- Field upgradeable - supports legacy Sat-light modules
- Event logging and storage of last 64 events
- Configurable trap destinations
- TFTP firmware upgrade capabilities
- Module/port zoom-in provides full setup and monitoring capabilities
- Hot-swappable



### Apogee's graphical application includes:

- Dynamic discovery and detailed graphical representation of host chassis and slot contents
- Actual model status indicator enhances usability
- Point-and-click access to setup and monitoring options
- Built-in security module for authentication and multi-level access control
- Event logging and configurable trap destinations



The Apogee SNMP Management System provides support for all Sat-Light fiber optic modules, redundancy switches and power supplies. The Apogee SNMP Management System is built on a rack mounted module and an integrated graphical SNMP manager. The Java-based graphical administrative tool is accessible via standard web or MIB browsers. Apogee supported alarms include transmitter and receiver RF and optical faults. Monitoring features include power supply, ambient temperature and RF/optical input and output power

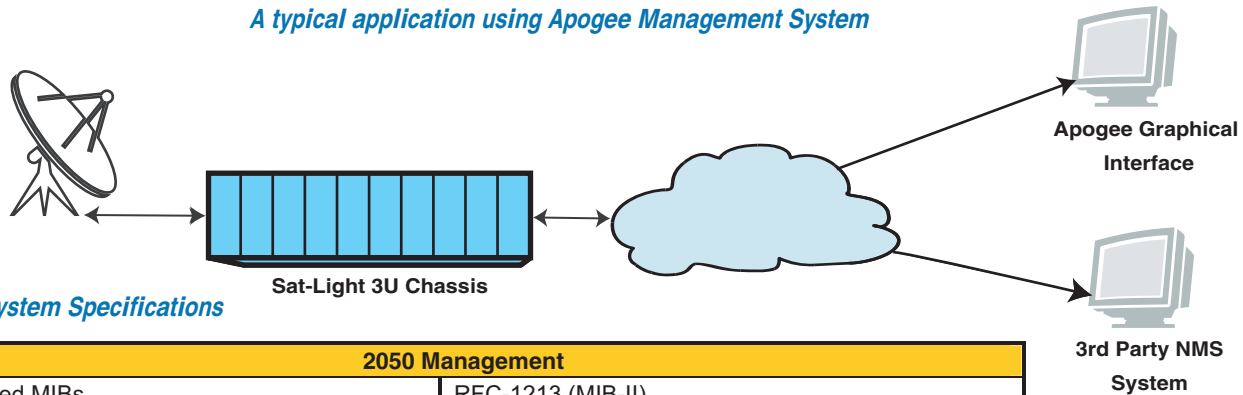
The Apogee shelf mount card has an RS-232 port for initialization and security settings. The front panel Ethernet port connects to the user's LAN.

The Apogee GUI provides an exact graphical representation of Sat-Light modules residing in the 3U shelf. The status of all the links' operational status is displayed and by clicking on each module; the unit's RF or optical level is then displayed in dBm.

The open architecture of Apogee's MIB offer management via built-in GUI or on a number of third-party management systems including, HP OpenView, IBM Tivoli, CA Unicenter and other.

Seq. ID	Time	Event Type	Module Type	Slot	Severity
1	05/12/22 13:24:06	System Up	2050	8	Notify
2	05/12/22 13:24:07	PSU Alarm	7001P	9	Minor
3	05/12/22 13:24:14	PSU Alarm	7001P	10	Minor
4	05/12/22 14:51:05	RF Alarm	7225T	4	Major
5	05/12/22 14:51:05	RF Alarm	7225T	5	Major
6	05/12/22 14:51:05	Optical Alarm	7225T	5	Major

*A typical application using Apogee Management System*



**2050 - System Specifications**

2050 Management		
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 file		
General Specifications		
Connecters	Safety and Emissions	
RJ-45: out of band 10/100M Ethernet connector	CE, FCC Part 15, EN60950	
DB9: RS-232 CLI/Telnet (DCE) VT100 compatible	Standards Compliance	
	IEEE802.3: 10BaseT Ethernet, 100BaseT Ethernet	
LEDs	Environmental Specifications	
System Alarm	Operating Temperature	0 to 45° C
Proc. Power Supply	Storage Temperature	-40 to 85° C
Link Status	Humidity	10 to 90%, non-condensing
Link Activity		
Capabilities		
Special Features	Module / Slot Parameters	
Configuration storage	User Assigned name, module level setup (redundancy, etc.)	
Power management		
Chassis Parameters	Port Parameters	
System information: system and user defined identification	Identification: user identified port name, system assigned port description	
Hardware monitoring: voltage and temperature	Setup and operation: status, mode, speed	
	Traffic monitoring: link status, activity status, collision, priority, Tx/Rx frames, error frames	

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