PVMax Master

Description

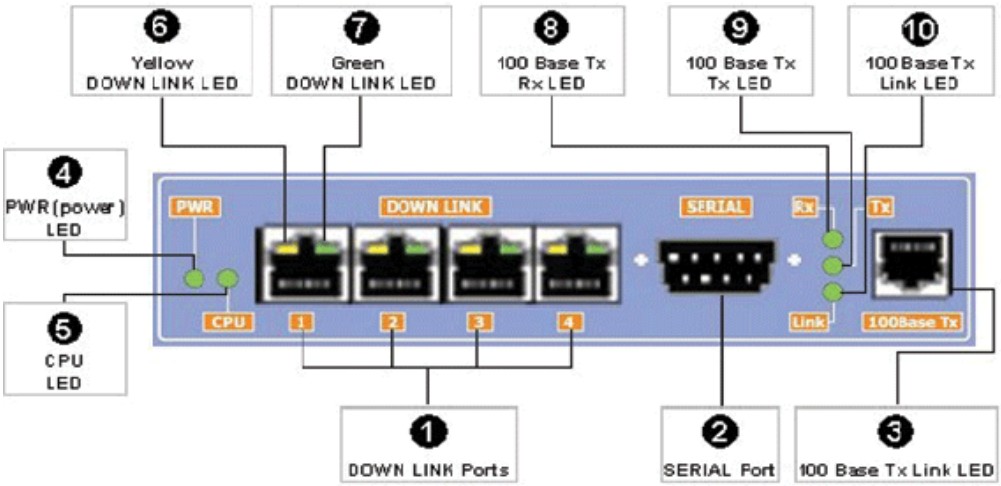
The PVMax Master is the apex of the hierarchy and has the ability to view the entire system. The PVMax Master controls all underlying Scanners that manage the scanning algorithm.

The PVMax Master includes an SNMP agent that allows the management software to receive all relevant data. It collects, saves, and transmits connectivity data from the PVMax Scanners via the PVMax Expanders and updates the PatchView for the Enterprise management station.

The PVMax Master can monitor up to four communication rooms.

The maximum length of a copper cable connecting the PVMax Master to the PVMax Expander is 1,200m/4,000ft. Each one of these DOWN LINK ports represents a site.

Since the PVMax Master has a perspective of all Scanners, its main function is to scan for connectivity changes between any two ports.



Enlarged View of the Master Connectors and LEDs

PVMax Master

Specifications

Standards compliance	Safety	UL 60950, EN 60950
	EMC	EN-55022, FCC Part 15 Class A, EN-55024
Interface	DOWN LINK	1 – 4 Ports Standard RS-485, Full – Duplex Connector Shielded RJ-45 socket Data Rate Up to 115.2 Kbps
	SERIAL	Standard RS-232 Connector 9 pin D-type male Data Rate Up to 115.2 Kbps Protocol UART, Start bit 1, Stop bit 1, Nonparity
	100Base Tx	RJ-45 socket, Ethernet IEEE 802.3, 100Base Tx/10Base T, 100/10 Mbps industry standard for connection to local area network.
LED Indicators	PWR	On when scanner is powered
	CPU	Blinking to indicate master heartbeat
	DOWN LINK-YELLOW	1 – 4 Ports On during transmission of each of the DOWN LINK Ports
	DOWN LINK-GREEN	1 – 4 Ports On during reception of each of the DOWN LINK Ports
	100Base Tx - Rx	On during reception from Local area network
	100Base Tx - Tx	On during transmission to Local area network
	100Base Tx LINK	On when link is active
Physical	Height	44.4mm/ 1.75” (1U)
	Width	482.6mm/19”
	Depth	159.3mm/6.27”
	Weight	2.0kg/4.4lb
Environment	Temperature	0 - 50°C /32-122°F
	Humidity	Up to 90% non-condensing
Power		100VAC to 240VAC 1.2- 0.6 A, 47 to 63 Hz, 30W max