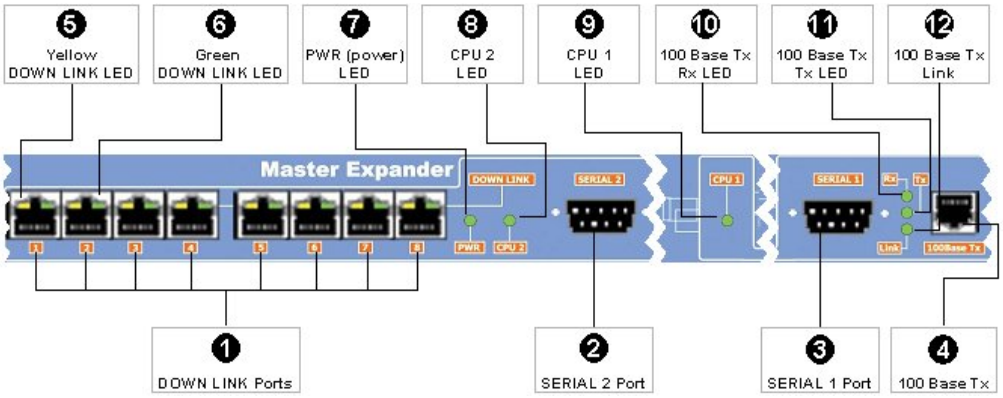
PVMax Master Expander

Description

The PVMax Master Expander is a combination of the PVMax Master and the PVMax Expander. It contains all the modules of the PVMax Master as well as the features of the PVMax Expander. Only a single site may be defined when a PVMax Master Expander is used. A Master Expander cannot be connected to a PVMax Master.

The PVMax Master Expander can communicate with all devices connected to its DOWN LINK. Expanders or Scanners are directly connected to one of the DOWN LINK Ports located on the front panel of the PVMax Master Expander.

The PVMax Scanners are connected to the DOWN LINK Ports of PVMax Expanders. Up to eight PVMax Scanners can be connected to each Expander. These Expanders are in turn connected to higher-level Expanders or directly to the PVMax Master Expander depending on the configuration of the site.



Enlarged View of the Master Expander Connectors and LEDs

PVMax Master Expander

Specifications

Standards compliance	Safety	UL 60950, EN 60950
	EMC	EN-55022, FCC Part 15 Class A, EN-55024
Interface	100Base Tx	RJ-45 socket, Ethernet IEEE 802.3, 100Base Tx/10Base T, 100/10 Mbps industry standard for connection to local area network.
	DOWN LINK	1 – 8 Ports Standard RS-485, Full – Duplex Connector Shielded RJ-45 socket Data Rate Up to 115.2 Kbps
	SERIAL 1 SERIAL 2	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
LED Indicators	DOWN LINK-YELLOW	1 – 8 Ports On during transmission of each of the DOWN LINK Ports
	DOWN LINK-GREEN	1 – 8 Ports On during reception of each of the DOWN LINK Ports
	PWR	On when scanner is powered
	CPU 2	Blinking to indicate expander heartbeat
	CPU 1	Blinking to indicate master heartbeat
	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