

PVMax Expander

Description



The PVMax Expander is used to expand the capabilities of the PVMax Master. This is achieved by cascading Expanders from the DOWN LINK ports of the PVMax Master.

Each DOWN LINK Port of a PVMax Master is connected to a Level 1 Expander at a site. Many levels of Expanders can be cascaded from the DOWN LINK ports of upper level Expanders. Each Level 1 Expander can be located in a separate site.

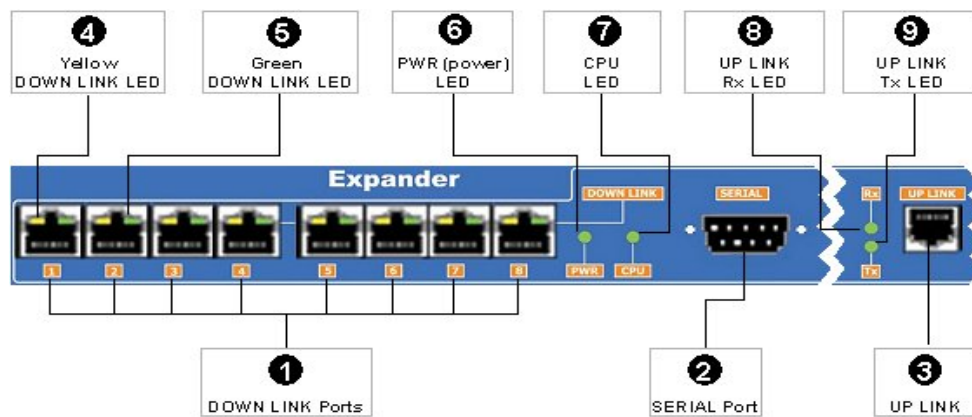
The PVMax Expander allows all devices connected to its DOWN LINK ports to communicate with all devices on its UP LINK port. The PVMax Expanders are the link between the PVMax Scanners and the PVMax Master thereby allowing the PVMax Master to communicate with all the PVMax scanners in the system.

Each Level 1 Expander can be located in a separate site. The Level 1 Expanders are directly connected to one of the DOWN LINK ports located on the front panel of the Master.

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/PVMax Master Expander depending on the site configuration.

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Specifications

Standards compliance	Safety	UL 60950, EN 60950
	EMC	EN-55022, FCC Part 15 Class A, EN-55024
Interface	UP LINK	Standard RS-485, Full – Duplex Connector Shielded RJ-45 socket Data Rate Up to 115.2 Kbps
	DOWN LINK	1 – 8 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.
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	Blinking to indicate expander heartbeat
	UP LINK Rx	On during reception from UP LINK
	UP LINK TX	On during transmission to UP LINK
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 40VAC 1.2- 0.6 A, 47 to 63 Hz, 15W max