

MegaPIT™

PORT EXPANDER AND AUTOMATIC CHANGEOVER UNIT

MegaPIT™ is a versatile system accessory for small-to-large video matrix installations, providing two different primary purposes. As a port expander, it connects a single serial output from a MAXPRO-Net server and provides eight serial outputs for connection to field devices. As a hot changeover device, it allows for two redundant MAXPRO-Net servers to be used so that in the unlikely event of a server malfunction MegaPIT will automatically switch system control to the operational server to ensure system integrity.

MAXPRO-Net video management systems are composed of multiple field devices such as keyboards, sub racks and other high level interfaces. These systems are typically integrated with access control, fire, building management, intercom and perimeter protection systems to provide total situation awareness. The high density, versatile design of MegaPIT provides eight combination RS232 or RS422 serial output ports to ensure support of a wide variety of different devices.

In mission-critical applications it is essential that the MAXPRO-Net system remain operational. By controlling a single video management system with two MAXPRO-Net servers, MegaPIT enables automatic changeover of system control in the event of scheduled maintenance downtime or the unlikely failure of a server. MegaPIT receives “stay alive” signals from each MAXPRO-Net server to decide which server should be controlling the system. If no response is received from a server, MegaPIT will automatically connect the backup server to the field devices.

MegaPIT allows configurations and upgrades to be done without special software. Using an embedded controller and flash memory, MegaPIT provides in-field upgrades using either the front panel LCD or any standard Web browser. In addition to configuring serial communication properties (including baud rate, parity, data bits, stop bits and IP address), the front panel LCD also displays the current status of the controlling server.

Market Opportunities

MegaPIT is ideal for all MAXPRO-Net video management systems and is a must for mission-critical applications such as casinos, government facilities and correctional institutions that depend on flexibility and reliability. MegaPIT can also be installed in existing MAX-1000 installations.

Features:

- Rack mount, 1U with removable mounting hardware
- Eight combo serial ports with RS232 or RS422
- Two RS232 serial ports
- TX and RX data LEDs for each port
- Locking power connector, 12 VDC power supply included
- Graphical LCD
- Programming from front panel using LCD and pushbuttons
- Web browser configuration via LAN
- Upgradeable through a Web browser



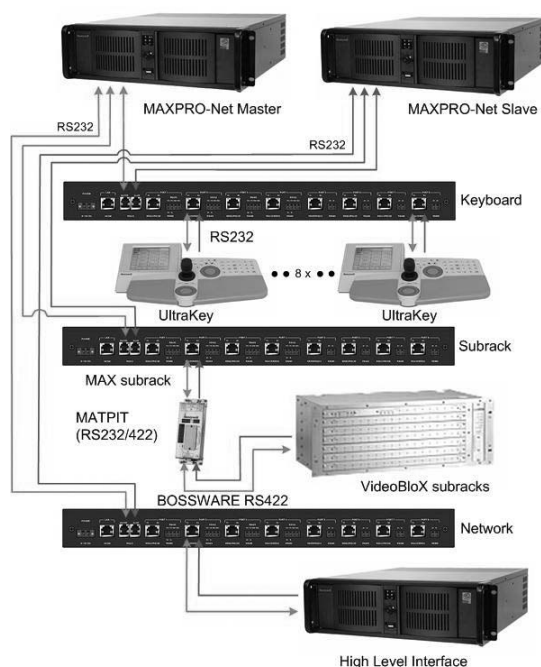
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SPECIFICATIONS

Operational	
LCD	STN, Positive Image, 122 characters, yellow green backlight
USB	Type A, Version 1.1 (future)
Web browser Supported	IE 6.0 or > on Windows 2000, Windows 2000 Server, XP Pro SP2, Vista Home, Vista Premium
Electrical	
Input Voltage	100-240 VAC 50/60 HZ
Operating Voltage	9-18 VDC
Power Consumption	2 A @ 12 VDC
Mechanical	
Dimensions (W x H x D)	17.42" x 1.88" x 4.63" (442.5 mm x 47.75 mm x 182.25 mm) Standard 19" rack width by 1U height
Weight	2.3kg
Construction	Housing: Aluminium (AL6055) Finish: Spray Black Powder with Silver Grey front panel
Connections	
LAN	1 x RJ45 Ethernet (10Base-T, 100 base-TX)
Master/Slave	2 x RJ11 RS232 (MAXPRO MX18 pin out)
Port 1 to 4	RJ45 (RS232 and RS422) or 4 position Terminal Block RS422
Port 5 to 8	RJ45 (RS232 and RS422) or 2 position Terminal Block RS485
Power	Locking, 2 pos Terminal Block
Operating Distance	Up to 4000' (1219m) for RS422/RS485
Environmental	
Temperature	Operating: 14° to 122°F (-10° to 50°C) Storage: 4° to 149°F (-20° to 65°C)
Relative Humidity	0 to 95% (non-condensing)



Regulatory	
Emissions	FCC: Part 15, Class B CE: Class B (EN 55022/A2:2003 89/336/EEC) ICES-003
Immunity	EN 50130-4/A2:2003
Safety	UL 60950-1 EN 60950-1:2006 2006/95/EC
Included Accessories	
Power Supply	100-240 AC to DC Adapter
AC Plug Adapters	UK, US, Australia, Europe
Network Cable	10/100M Network Cable 6'/2M RJ45-RJ45
Cable	4 way flat ribbon crossover RJ11-RJ11
Connectors	4 x 4 position Terminal Block and 4 x 2 position Terminal Block



Note: Use PTE102 RS232/422 line driver to extend RS232 keyboard distances.

Ordering	
HS10PIT	MegaPIT Port Expander and Automatic Changeover Unit

NOTE: Honeywell reserves the right, without notification, to make changes in product design or specifications.

Honeywell Security

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