

Exp414 E-PAC®

High Performance 4U Platform with E-PAC®

(Electronic Packaging Assembly Concept)



Extreme performance for maximum system uptime and reliability

Part of the Teknor Extreme Performance line of system solutions, the Exp414 E-PAC® chassis leverages the power of E-PAC® technology to offer increased system reliability.

E-PAC® - the Electronic Packaging Assembly Concept - is a revolutionary housing innovation that serves to increase computer system robustness while drastically reducing integration time.

The benefit of E-PAC® is a significant reduction in MTTR (mean-time-to-repair), a particularly valuable asset in those applications which mandate zero downtime.

Teknor's Exp414 E-PAC® chassis incorporates the industry-unique E-PAC® technology for maximum system uptime and reliability.

Features include:

- 4U, 19" high performance chassis
- Support for up to 14-slot backplanes
- Molded-foam lining to hold components securely & firmly in place
- Airflow channel cooling system for CPU, hard disk and heat-sensitive components
- Extremely high resistance to shock, vibration and harsh environments
- Minimum tooling required for quick maintenance & assembly

ExP414 E-PAC® - Technical Specifications

Features	
Dimensions	7.0"H x 19"W x 17.8"D (177.8 x 483 x 453mm)
Weight	28lbs / 13.0kg app. (w. backplane & power sup.)
Construction/Finish	Cold roll steel (CRS) with zinc plating Black mat powder coat, black handle
Backplane (conform to PCI bus rev. 2.1, & PICMG PCI/ISA rev. 2.0 spec.)	10-slot: 6 ISA / 1 CPU / 2 PCI / 1 shared 14-slot: 6 ISA / 1 CPU / 6 PCI slots / 1 shared
Peripherals	Lockable front access door Accessible: one 3.5" floppy drive, two 5.25" drives Internal: one 3.5" hard drive, two 1.8" drives
Controls	Behind latching security door: Power switch, reset button, keyboard lock, PS/2 keyboard connector
Indicators	System power-on LED Disk activity LED
Speaker	8 ohm
Rear Panel I/O	AC power inlet connector
Power Supply	ATX 275W AC: +3.3V, +5V, +12V, -12V, -5V, 5VSB or 250W DC: +3.3V, +5V, +12V, -12V, -5V
Input Voltage	275W: 90-132VAC/180-264VAC man. sw 47-63Hz 250W: 24VDC Nominal
Thermal Management	Positive pressure, with two fans Power supply exhaust fan Front accessible washable filter

Features	
Mounting Systems	Rackmount enclosure
Operating Temp. / Humidity	0°C to +50°C / 5-95% @ 40°C (32° to 122°F / 5-95% @ 104°F)
Storage / Transit Temp. / Humidity	-40°C to +70°C / 0-95% @ 40°C (-40° to 158°F / 0-95% @ 104°F)
Operating Altitude	10,000ft (3,048m)
Storage/Transit Altitude	50,000ft (15,240m)
Shock	10G max. at 11ms duration, 3-axis
Vibration	0.25G max., 10-250Hz, 3-axis
Acoustic Noise	<50dB at 1m in front of the system at full load
EMC (Designed to meet or exceed)	US: FCC 47 CFR Part 15, Class B Europe: CISPR22; CE Mark, Class B to EN55022/EN50082
Safety (Designed to meet)	UL 1950, CE Mark EN60950; IEC950
M.T.B.F. (Power Supply)	>100,000 hours



Teknor Applicom helps customers speed to market with applied computing solutions featuring single board computers and integrated systems specifically designed for Industrial Automation, Internet, Telecommunications, Mobile Computing and all types of high-speed, high-availability applications.

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