



PRODUCT BRIEF P3494R 3U WORKSTATION/SERVER

Westek's range of rugged products are designed for use in extreme environments where a reliable, cost-effective solution is required. The P3494R is part of Westek's well established and field proven rugged computer family, and can be built to meet customer environmental and application requirements.

The P3494R provides rugged direct interface server or workstation capability with Intel® Core™ or Xeon® processors in a custom 3U 19" rack mount chassis. Its rear I/O offers a variety of interfaces including multiple USB, Ethernet, and display ports.



Specification¹

- Single Intel® Core™, Xeon® or dual Xeon® options up to 32 cores per processor
- AC or DC power input via MIL rugged connector
- Power protection components and EMI filtering
- Direct rear interface I/O
- Up to 512GB DDR4 ECC memory per system
- Up to 46TB removable storage with RAID options
- Multiple output HD graphics
- OS options including Microsoft® Windows®, VMWare, and various Linux distributions

Rugged I/O Options¹

- Power input
- Display options: VGA, HDMI, DisplayPort
- USB 2.0 and USB 3.2
- Serial RS-232/422/485
- IPMI remote management, RAID management
- Remote power on/off signal
- 1GbE copper, 10GbE copper, 10/25GbE fibre

All I/O direct interface. Options to have power input on rugged MIL circular connector.

Physical Features²

- In house designed, custom built rugged steel enclosure
- Dimensions: 431 (W) x 132 (H) x 420 (D) mm excluding connectors²
- Weight: ~17kg, final weight is dependent on specific system configuration²
- RoHS and REACH compliant
- Designed to comply with customer defined standards, verification by a third party accredited test lab available³

Field Deployment Features

- IPMI & RAID remote management for fault diagnostics
- IP50 ingress protection
- Field replaceable fan modules (MTTR < 10 min)
- Field replaceable BIOS battery option
- Corrosion resistant powder coat finish with various colour options
- Ruggedised and conformally coated electronics for operation in harsh environments
- High performance cooling

Environmental Specifications

All specifications are dependent on build options and may vary depending on components selected. Please advise our Sales team of your specific environmental requirements to enable us to provide the right solution for your needs.

| | Operating | Non-Operating |
|-------------------------------|-----------------------|------------------|
| Low temperature ⁴ | -20°C | -40°C |
| High temperature ⁴ | +55°C | +71°C |
| Vibration ^{3 5} | 2G 10Hz to 500Hz | 4G 10Hz to 500Hz |
| Shock ^{3 5} | 20G 11msec | 40G 11msec |
| Altitude | Up to 5,000m | Up to 10,000m |
| Humidity | 10-95% non-condensing | |

EMC Capabilities

- UKCA/CE compliant
- Designed to meet UL & FCC requirements³
- Designed to meet aspects of MIL-STD-461³

Notations

¹Software, hardware and accessories may vary depending on configuration

²Weight and dimensions vary from configurations and optional accessories

³Designed to meet customer defined standards, verification by a national independent third party test lab available at additional cost

⁴Temperature operating range may vary depending on component selection

⁵Fixed cable management solution may be required to meet shock and vibration requirements

Customisations are at time of manufacture only



Over 30 years' experience designing and manufacturing high quality, rugged, mission critical IT solutions for use in extreme environments

Contact Us

To find out more about our customisable solutions and discuss your specific requirements, please contact:

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