

# P3042R 3U Rugged Server

- ▶ Rugged 3U Direct I/O Server
- ▶ Low Depth @ 420mm
- ▶ Front Access Hot Swap Fans
- ▶ AC or DC Power Options
- ▶ Shock and Vibration Tolerant
- ▶ Range of Processor Options
- ▶ Wide operating temperature



Westek's P3042R Rugged 3U Server has been designed for use in high and low temperatures, and for use in humid environments (with Westek's conformal coating option selected). The P3042R joins Westek's proven range of Rugged Servers that are ideal for use in hostile environments.

Designed to comply with relevant parts of MIL-STD 810G for use in aircraft, mobile and land based systems, transportation, and naval environments both above and below decks as well as general use where a compact, rugged system is required without the need for full rugged MIL connectors.



*Direct access rear I/O*

*Expansion slots available*

The P3042R benefits from:

- Latest generation Intel® Core (i3/i5/i7) or Xeon® processors
- Up to 6 removable SSD disk drives installed in shock mounted disk carriers
- Optional RAID data protection
- An automatic temperature dependant fan control system to ensure high airflow at elevated operating temperatures, extending long term reliability
- Multiple fans to ensure high airflow from front to rear
- Front dust filtering to protect from environmental contamination
- Conformal coating of the electronics for use in high humidity environments

## Example System:

- Intel® Quad Core i7 processor
- 16GB DDR4 RAM
- 2 x 256GB SSDs with RAID 1 protection
- AC Power with EMI filtering
- Conformal coating for humid environments
- PCIe expansion cards
- Dual Gbit Ethernet ports
- Anti-corrosion paint finish (black option shown)
- Hot swap front access fan module
- IPMI Remote Hardware Management on a dedicated Ethernet port
- Integrated HD Graphics support

\*All Westek Rugged Servers are fully customisable. Please contact us to discuss your more in-depth specification requirements.



*Hot swappable, front access SSDs*



## Storage

Options for up to six removable 2.5" SSDs from 120GB to 2TB+, with optional RAID 0, 1, 5 or 10 data protection. USB 2.0 or USB 3.0 ports may also be used to connect temporary additional storage such as an external disk or CD/DVD drive.

## Power Supply

High reliability 96 - 265V AC power supply, 47 to 400Hz

Approximately 100 to 200 Watts nominal power consumption depending on configuration

Optional EMI filter and MIL secure power connector to meet MIL-STD 461F conducted emissions - drive bay limitations apply with EMI filter option

## Physical

Dimensions: 483 (W) x 132 (H) x 420 (D) mm

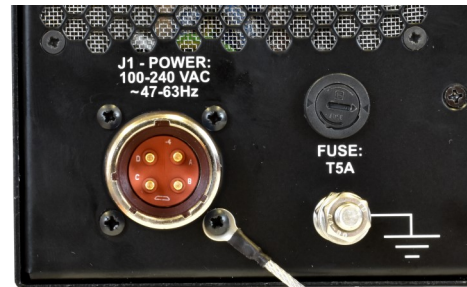
Weight (net): ~16kg

CE Compliance: EEC EMC and Safety

Designed to meet MIL-STD 461F CE101 and CE102 (build option)

Designed to meet relevant parts of MIL-STD 810G and equivalent environmental specifications

RoHS Compliant



*MIL power connector option*

## Operating

Operating Temperature: -20° to +55°C\*

Humidity: 10 to 95% non-condensing\*

Operating Vibration: 2G 5Hz to 500Hz

Operating Shock: 20G / 11mSec

Altitude: Up to ~4000 metres

## Storage

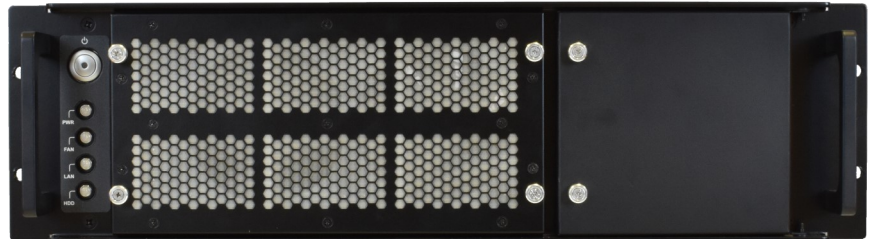
Storage Temperature: -40°C to +70°C\*

Non-Operating Vibration: ~4G 5Hz to 500Hz

Non-Operating Shock: 40G / 11mSec

Altitude: Up to ~10,000 metres

\*With wide temperature SSDs and conformal coating option.



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Specifications subject to change without notice

