



PRODUCT BRIEF

S1546A

1U 28 PORT SWITCH

Westek's range of rugged products are designed for use in extreme environments where a reliable, cost-effective solution is required. The S1546A is part of Westek's well established and field proven rugged peripherals family, and can be built to meet customer environmental and application requirements.

The S1546A provides rugged 28 port switch capability in a custom 1U 19" rack mount chassis. Its rugged I/O offers a variety of interfaces.



Specification¹

- 24 x 10/100/1000 Mbps copper ports
- 4 x 10GB-X copper, short range or long range fibre ports
- Fully featured L2/3 Ethernet switch
- AC or DC power input
- Power protection components and EMI filtering
- PoE option available (up to 30W per port)

Rugged I/O Options¹

- Power Input
- 24 x 1000MBase-T Ethernet (4 ports per connector)
- 4 x 10GB-X Copper or Fibre
- Management port

All I/O presented on rugged MIL 38999 III series and rugged circular connectors.

Physical Features²

- In house designed, custom built rugged aluminium enclosure
- Dimensions: 431 (W) x 44 (H) x 450 (D) mm excluding connectors²
- Weight: ~10kg, 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

- Wide operating temperature
- IP50 dust and water ingress protection
- Corrosion resistant powder coat finish with various colour options
- Remote management serial port
- Ruggedised and conformally coated electronics for operation in harsh environments

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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