Blue Line 3U VPX Switch ComEth-4682e

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Highlights

Blue Line 3U VPX switch ComEth-4682e is a rugged 3U VPX 1/10/25/40/100 gigabit Ethernet switch and IP router, based on a new generation of multi-layer Ethernet matrix for high-speed embedded interconnect applications requiring 10/25/40/100 gigabit connectivity.

The design integrates a layer 2 (Ethernet) and layer 3 switch, and a control processor to support virtually separated control and data planes for highly secured 3U VPX systems. The Ethernet packet processor, managed by the dual-core ARM processor, offers remarkable switching capabilities with 1, 10, 25, 40, and 100 gigabit Ethernet

configurations.

Reduce cost and time spending with our global partner model based on your specific requirements. Let Blue Line take responsibility for delivery on time. Blue Line's ultimate goal is to help our customers get peace of mind by handling all relevant details such as securing the right configuration, software setup, mounting, packaging, labeling, etc. Ask for references from your industry.

• 3U VPX switch

• Managed layer 2+/3 switch

• 1GBASE-T, 1GBASE-KX, 10/25GBASE-KR, 40/100GBASE-KR4

• Up to 57 ports - 24 optical ports (2 front MPO)

• Aligned with the SOSA™ technical standard

• Front MPO connectors: 24x optical ports (1GBASE-SR, 10GBASE-SR or 25GBASE-SR mode)

• VITA 65.0 SLT3-SWH-2F24U-14.4.3

• VITA 65.0 SLT3-SWH-6F1U7U-14.4.14 (optional)

• Wide temp -40 to 85°C

• Various temperature grades available

• Ports build option

• Switch management

• Customization according to your requirements

Specifications

Model Type

3U VPX Switch

Cooling

Air cooled
Conduction cooled
Air-Flow-Through versions

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Environment

Conduction cooled	-40°C to +85°C
Operating altitude	Up to 5G[20..2000]Hz, up to 40G[hock 1/2 Sin 11ms]
Humidity	5% - 90% RH (non-condensing)

Storage

-45°C to 100°C

Front Input / Output

24 x optical ports support 1GBASE-SR, 10GBASE-SR or 25GBASE-SR mode on two MPO connectors

Each set of 4 ports can be merged in 40GBASE-SR4 or 100GBASE-SR4 mode

Rear Input / Output

8 fat pipes support 40GBASE-KR4 or 100GBASE-KR4 mode on the backplane. Each fat pipe can be separated into 4 ultra-thin pipes and support 1GBASE-KX, 10GBASE-KR or 25GBASE-KR mode.

Input / Output

1 x console port, front mini-USB

Special Function

IGMP snooping, PBIT results, 1588-PTP-transparent mode

Management Software

Switchware management stack, supporting IPv6 support, RIPng, OSPF v3, VRRP, security features, configurable memory allocation, new status counters

Dimension and Weight

3U

Accessories Optional

Rear transition module

Warranty and After Sales Support

Standard 1 year (option for 3 years)