

Blue Line Defense VPX System VPX-2000



BLUE LINE
IT for Demanding Environments

Blue Line A/S | Kappa 8 | 8382 Hinnerup, Denmark
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Blue Line Defense VPX System VPX-2000



Highlights

Take advantage of Blue Line Defense VPX System VPX-2000.

A rugged 10U VPX enclosure designed specifically for a wide range of military applications. With the capacity to accommodate up to 10 units of 6U-size VPX boards, including related rear I/O boards, the VPX-2000 offers unparalleled flexibility and versatility.

By selecting system and I/O boards from our extensive collection of standardized VPX boards, customers can easily configure the system to meet their specific functionality requirements. Choose standard VPX boards such as CPU, GPU, FPGA, or a custom-made I/O board. Highly flexible solution with easy access and options for upgrading when time is needed. With a wide range of VPX boards, the possibilities are endless. Get free advice from our experts to discuss your system requirements based on our VPX enclosure.

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.

- Military rugged VPX enclosure
- IP20 certified
- MIL-STD-461/810F certified
- Increased shock & vibration resistance for rugged application



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- 1000W pluggable power supply, space for a second PSU
- 100 to 240 VAC input in rear, main switch in front
- Front LED indicators for control monitors of fans, temperature and voltages
- 6U Front card cage & 6U rear I/O card cage w/10 slot VPX backplane
- Backplane profile BKP6-CEN10-11.2.4.4 in accordance with VITA 65
- Prepared for telescopic slides
- Optimal EMC protection through hinged front & rear panel with integrated Honeycomb filter

Specifications

Model Type

VPX system

Form Factor

Compact chassis

Construction

Aluminium

Cooling

Fan control module monitors the fans, the temperature and voltages

Airflow direction: Front to rear

Environment

For rugged applications with increased shock and vibration resistance

Vibration

MIL-STD-810F

Shock

MIL-STD-810F

Certification



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CE, FCC compliance

IP20

MIL-STD-810F compliance

MIL-STD-461 compliance

MIL-STD-167 compliance

Front Input / Output

10 VPX boards 6 U, 1", 160mm

Rear Input / Output

10 rear I/O boards

The power for the system is supplied by a pluggable VPX power supply.

Expansion

Number of slots: 10

Backplane Type: VPX, VITA 65

Data transfer: 10 GbE; PCIe generation 3

Power Supply

One pluggable power supply, 1000 W

Option for a second spare PSU

100 to 240 VAC input in rear, main switch on the front of the chassis

Power Consumption

TBD

Power per slot: 50W

Dimension and Weight

Dimension

H 443.7 x W 480 x D 490mm

Weight

Depends on choice of configurations

Mounting



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RACK mount

Accessories Included

1 x Shielded 19" chassis, Al, 19" angle, closed top and bottom plate, front handles, hinged front panel, hinged rear panel, honeycombfilter, recessed front and rear board cage
10 x Front slot, IEEE guide rails, incl. ESD clips
10 x Rear slot, IEEE guide rails, incl. ESD clips
1 x VPX backplane for 6U boards, 10 Slot
2 x Power backplane for 6U plug-in power supplies
1 x Plug-in power supplies, 6U, 1000 W
1 x Fan unit, exchangeable from the front, temperature-dependent speed control
1 x Fan control module (FCM2) for fan monitoring/regulating
1 x Display module
1 x Main switch, front side
1 x AC mains input, mains filter, mains fuse
1 x Cable harness to connect all system components

Accessories Optional

Other types of VPX backplanes available - please contact sales
CPU VPX board - please contact sales
GPU VPX board - please contact sales
FPGA VPX board - please contact sales

Warranty and After Sales Support

Standard 1 year (option for 3 years)



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