

# Blue Line Defense VPX System VPX-2000



**BLUE LINE**  
IT for Demanding Environments

Blue Line A/S | Kappa 8 | 8382 Hinnerup, Denmark  
T +45 8678 5000 | [www.blue-line.com](http://www.blue-line.com)

# 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



**BLUE LINE**  
IT for Demanding Environments

Blue Line A/S | Kappa 8 | 8382 Hinnerup, Denmark  
T +45 8678 5000 | [www.blue-line.com](http://www.blue-line.com)

# Blue Line Defense VPX System VPX-2000

---

- 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

---



**BLUE LINE**  
IT for Demanding Environments

Blue Line A/S | Kappa 8 | 8382 Hinnerup, Denmark  
T +45 8678 5000 | [www.blue-line.com](http://www.blue-line.com)

# Blue Line Defense VPX System VPX-2000

---

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

---



**BLUE LINE**  
IT for Demanding Environments

Blue Line A/S | Kappa 8 | 8382 Hinnerup, Denmark  
T +45 8678 5000 | [www.blue-line.com](http://www.blue-line.com)

# Blue Line Defense VPX System VPX-2000

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, honeycombfiler, 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)



**BLUE LINE**  
IT for Demanding Environments

Blue Line A/S | Kappa 8 | 8382 Hinnerup, Denmark  
T +45 8678 5000 | [www.blue-line.com](http://www.blue-line.com)