

# Blue Line Defense Panel Computer DPPC-2000

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## Highlights

Blue Line Defense Panel Computer DPPC-2000 is a rugged mission-critical panel computer with a high LCD super brightness of up to 1000 nits and night vision (NVIS) capability at under 1 nit. It features optical bonding of protective glass (GFG) touch screens, EMI filtering/EMI mesh shielding, and anti-reflection/anti-glare (AR/AG) coatings. The computer also includes a built-in CPU module with an Intel Xeon and 20 programmable function keys.



Engineered for survivability in military field operations, it is designed with IP65 protection to withstand rain, dust, shock, and vibration, making it reliable and ready for work in extreme conditions.

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 15" Touch Panel Computer
- IP65 certified
- MIL-STD-461E/810G certified
- Intel Xeon W-11865MLE & MXM-GPU RTX A2000
- 15" colorful LCD XGA resolution
- Sunlight readable
- NVIS mode support dimmable < 1% nits
- Optical bonding G.F.G resistive touch
- 20 programmable ruggedized function keys design
- EMI MESH
- Wide temp -40°C to 60°C



**BLUE LINE**  
IT for Demanding Environments

- has more than 30 years experience
- delivers reliable IT solutions for demanding environments
- builds compact and high performance solutions
- focuses on long duration, 24/7-operation, and ruggedness
- is ISO 9001:2015-certified
- is known for providing the best assistance and services in all phases.

# Blue Line Defense Panel Computer DPPC-2000

## Specifications

### Model Type

Military Panel Computer

### Construction

Aluminum alloy, corrosion resistant  
Anodic aluminum oxide

### Cooling

Fanless

### Ingress Protection

IP65

### Environment

Operating temperature	-40°C to 60°C w/ambient air flow	
Storage temperature	-40°C to 85 °C	
MIL-STD-810G (Operation Test)		
Low temperature	Method 502.5 procedure 2	Exposure (24h x 3 cycles) at -40°C min.
High temperature	Method 501.5 procedure 2	60°C for 2 hrs after temperature stabilization.
Humidity	Method 507.5 procedure 2	RH -95%. Test cycles: ten 24-hrs, functional test after 5th and 10th cycles
Vibration	Method 514.6 category 20	10-500Hz 1.04Grms test duration: 1 hr x 3 axis (total 3 hrs)
Shock	Method 516.6 procedure 1	20G, 11mSec, 3 per axis
MIL-STD-810G (Non-operating tests)		
Low temperature	Method 502.5	Exposure (24h x 7 cycles) at -40°C min.
High temperature	Method 501.5 procedure 1	71°C for 2 hrs after temperature stabilization.
Vibration	Method 514.6 category 24	200 to 2000Hz test duration: 1hr per axis; rms = 7.7 gs
Shock	Method 516.6 procedure 1	20G, 11mSec, 3 per axis
Option for MIL-STD-461		
CE102	2MHz to 30 MHz	
RE102-4, (1.5 MHz)	1.5 MHz to 30 MHz to 5 GHz	
RS103	1.5 MHz to 5 GHz	

### Certification

CE, FCC compliance  
MIL-STD-810G compliance  
MIL-STD-461E compliance  
Option for MIL-STD-461

### Display

15"      1024 x 768, 4:3, XGA      TFT LCD

### Touch

Glass-Film-Glass 5-Wire resistor touch panel  
Option for IR touch  
Option for no touch

### Brightness

1000 nits      Day mode: Ultra-brightness 1000 nits  
Night mode: NVIS (down to 1.7 nits)  
Invisible mode: Backlight off

### Processor

Model 1 & 2      Intel Core i7-1185G7E, 4C/8T 12W TDP  
Model 3      Intel Xeon W-11865MLE, 8C/16T 25W TDP  
Model 4      Intel Xeon W-11865MRE, 8C/16T 35W TDP

### Chipset

SoC

### RAM

Model 1 & 2      Up to 32GB DDR4  
Model 3 & 4      Up to 96GB DDR4 (supports ECC memory)

### Storage

Model 1 & 2      M.2 M key  
Model 3 & 4      1 x mSATA, 1 x M.2 M key, 1 x 2.5"



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## Front Input / Output

OSD	Backlight+
	Backlight-
	Function key backlight on/off
	1 for power button on/off
Function keys	20 programmable function keys (F1 to F20)

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## Dimension and Weight

15"	H 370 x W 442.5 x D 82mm	8.8kg
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## Warranty and After Sales Support

Standard 1 year (option for 3 years)

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## Rear Input / Output

DC-IN (Amphenol TV07RW-11-54P) w/IP68 waterproof valve  
X1: Mini-DP (Amphenol MDPFTV7AGF312) w/IP68 waterproof valve  
X2: 2 x USB2.0 + 2x RS232 w/IP68 waterproof valve  
X3: 2 x GbE LAN w/IP68 waterproof valve (model 1 & 2: 1 x 1GbE & 1 x 2.5GbE. model 3 & 4: 2 x 1GbE)  
X4, X5: 1 x BNC w/IP68 waterproof valve

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## Expansion

Model 1	1 x M.2 E key
Model 2	1 x M.2 E key, 2 x mini PCIe
Model 3	1 x M.2 M key 2 x 3G-SDI
Model 4	1 x M.2 M key, 2 x mini PCIe

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## Special Function

Model 3 & 4 Nvidia MXM Quadro A2000 8GB GDDR6

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## Operating System

Windows 10 / 11  
Windows 10 IoT Enterprise  
Linux

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## Power Supply

+18V to 36V DC-IN  
Option for +12V to 40V DC-IN, MIL-STD-461/1275

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## Power Consumption

TBD

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## Mounting

Standard VESA 100x100 or 75x75  
Panel mount

