

Blue Line Defense Panel Computer DPPC-2000



BLUE LINE
IT for Demanding Environments

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Highlights

When mission-critical systems need to operate without interruption, you need a computing platform you can rely on. The Blue Line Defense Panel Computer DPPC-2000 combines powerful processing, rugged construction and flexible integration to support demanding defense applications in any environment.

Whether operating in bright daylight or low-light conditions, you need clear and reliable visual information to support critical decisions. The DPPC-2000 features a high-brightness display with up to 1000 nits, anti-reflective and anti-glare coatings, and optical bonding technology that improves readability while reducing unwanted reflections.



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Support for NVIS mode and brightness control below 1 nit allows seamless operation during night missions where preserving night vision is essential.

Mission-critical equipment must continue operating under the harshest conditions. The DPPC-2000 is built with a rugged aluminum enclosure, fanless cooling and IP65 protection to withstand dust, moisture, shock and vibration in demanding military deployments.

Its robust construction helps ensure reliable operation in vehicles, shelters and mobile command systems where standard computing platforms cannot perform consistently.

- 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

Specifications

Model Type

Military Panel Computer

Construction

Aluminum alloy, corrosion resistant



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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? 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? 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	



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

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)

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

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

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

Power Supply

+18V to 36V DC-IN



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

Power Consumption

TBD

Mounting

Standard VESA 100x100 or 75x75

Panel mount

Dimension and Weight

15"

H 370 x W 442.5 x D 82mm

8.8kg

Warranty and After Sales Support

Standard 1 year (option for 3 years)

