

Blue Line Defense Panel Computer DPPC-2000



BLUE LINE
IT for Demanding Environments

Blue Line A/S | Kappa 8 | 8382 Hinnerup, Denmark
T +45 8678 5000 | www.blue-line.com

Blue Line Defense Panel Computer DPPC-2000



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.



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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

Specifications

Model Type

Military Panel Computer

Construction

Aluminum alloy, corrosion resistant
Anodic aluminum oxide

Cooling

Fanless

Ingress Protection



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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	

Certification

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

Display



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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"

Front Input / Output

OSD

Backlight+

Backlight-

Function key backlight on/off



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Function keys	1 for power button on/off 20 programmable function keys (F1 to F20)
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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

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

Power Consumption

TBD

Mounting



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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)



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