

Mil-S-901D Grade A

NEMA 4

ProPanel® MP2500C



- rugged, compact, single-enclosure computer
- sunlight-viewable, impact-resistant 12" display
- versatile, easy-connect I/O
- minimal temperature rise, longest available service life
- expansion slots for I/O interface hardware
- fiber and wireless options available



The Azonix ProPanel MP2500C is a compact and rugged display with full computing capability. The sunlight viewable display and programmable, sealed membrane keypad provide operator interface versatility and ease of use.

The MP2500C employs isolated circuitry and a low-magnesium aluminum enclosure to provide high EMI/RFI immunity and preserve the accuracy of signals and measurements. The unit is highly resistant to shock and vibration and easily transported and installed in temporary or permanent locations.

Working with military engineers and OEMs

Azonix is a unit of Crane Co., a Fortune 500 operating company with divisions that supply equipment for Army, Navy, and Aerospace applications. General Donald G. Cook (ret.) sits on the Crane Board of Directors.

ProPanel COTS computers have Federal Stock Class Numbers for easy ordering. Azonix engineering support teams are experienced in global, on-location support and service for application development, maintenance, or upgrade to existing systems in the field. Azonix military computers set new standards for:

- **Compact footprint** with full computing power and easy portability
- **Low service & ownership costs** due to reliable, sealed, single-enclosure design and extreme resistance to harsh environmental conditions, shock & vibration, and outdoor weather conditions
- **Ease of use** for operators and technicians in installing the equipment, transportation, I/O connection, programming, and integrating the unit into proprietary systems

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ProPanel® MP2500C

AZONIX MILITARY COMPUTERS

MP2500C Applications

The MP2500C is ideal for use in both indoor and outdoor applications where a rugged operator interface display is required.

- **Bridge control/monitoring applications where display space is tight**
- **Status displays/HMI where environmental conditions are extreme**
- **Embedded computer applications where proprietary software enables the MP2500C to work as part of an OEM system**



MP2500C Specifications

Processor:	Highly integrated SBC Celeron 600MHz processor or faster
Operating Systems:	Microsoft® MS-DOS, WinNT®, Win95®, Win98®, Win 2000, Windows XP
LCD and Backlight:	12.4" (800 x 600) active matrix TFT with sunlight-viewable capability Brightness: 900 NITS with auto-brightness control
LCD Protection:	1/4" thick, tempered, anti-glare glass passes most sever impact test standards
User Interface:	Integrated membrane keyboard, 20-function Glass-based touch screen (Optional)
Memory:	128 MB, 256 MB SDRAM expandable up to 512MB
Hard Disk:	IDE PCMCIA type II solid state drive up to a size of 4GB
Backplane:	User available 1 half size ISA or 1 half size PCI bus
Input/output:	
Power:	110/230VAC, 50/60Hz; 18 to 36 DC Volts with 3.5Amps nominal and 25Amps inrush
Signals:	RS232, USB and Ethernet on-board connections through sealed connectors on bottom of unit
MIL Standards:	Mil-S-901D, Grade A
Environmental Specs:	
Rating:	NEMA class 4 for entire unit
Temperature:	Operational: -40°C to 60°C; Non Operational: -20 to 70°C
Humidity:	Operational: 10 to 95% non-condensing; Non Operational: 0 to 100%
Shock: (standard mount)	Operational: 15 G for half sine for 11 ms duration
Vibration: (standard mount)	Operational: 4g peak-to-peak, Sinusoidal 20 to 600 Hz 1 Octave/ minute 3 axis 5g peak-to-peak Random 20 to 600 Hz 15 minutes/ axis
Sealing:	IP66 / NEMA4 completely sealed unit with no outside air exchange
Enclosure:	3/16" aluminum with <3% magnesium for exceptional EMI/RFI immunity
Heat dissipation:	Integral heat sink with low resistance to heat transfer
Dimensions:	13" (W) x 13.75" (H) x 5.4" (D) (approximately)
Weight:	>30 lb
Mounting:	Panel and Wall Mount standard

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