

URP7WV

Ultra Rugged 7" Panel

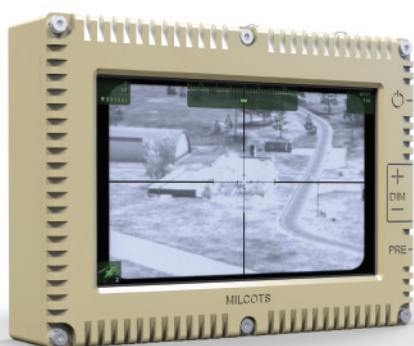
The URP7WV is a highly rugged 7in panel PC designed for military aviation, navy and army vehicles. Rugged to survive severe environments, it will not be affected by heat, sand, dust, water spillage or shock. Designed around a 7" WVGA LCD, this fanless sealed panel is proposed in various configurations to address all field applications.

KEY POINTS

- Rugged durable packaging MIL standard compliant
- Touch sensor (armored resistive)
- Configurable to address various CPU requirements
- Configurable to address various I/O requirements
- Connectors type and location configurable
- Extended temperature range
- Field removable storage media

OPTIONS

- Bezel function keys
- Mating cables
- MIL 38999 connectors
- Vehicle mount
- Pinout allocation
- Frame grabber, GPS
- Digital I/O, custom COM



The URP7WV rugged panel is proposed with various configurations of Man Machine Interfaces. Lateral function keys with custom marking are proposed as an option.

CONFIGURATIONS

Power supply: 8-16 VDC, 18-36 VDC, 12-36VDC

Interfaces: USB, Eth, Discrete, Serial, 1553, CAN

LCD: High bright, dimming to zero, NVIS

CPU: Intel quad core Atom, ARM , 2-8 GB DDRAM

OS: Windows, Linux

Storage: SSD, SD, CF

Environment: EMI to MIL STD 461, Extended temperature, shock and vibration to MIL STD 810, IP ratings up to IP65,

Consult MILCOTS to establish a specific configuration

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The URP7WV ultra rugged panel is designed around building blocks and can be proposed in a variety of configurations. The configuration below is an example of the suggested solutions:

TECHNICAL SPECIFICATIONS	
CPU / Storage	Atom E3825 dual core, 4 GB DDRAM, 8GB removable CF
Display	7" TFT Active Matrix Panel, LED backlight
Max Resolution	800x480 (WVGA) 16M Colors
Luminance	500 Cd/m ² enhanced TFT
Touch Panel	4 wire resistive armored touch sensor
MMI	Set of user's function keys: ON/OFF, dimming, blackout
Connectors	Compact sealed cylindrical - HD
Dimensions	8.19" (W) x 6.02" (H) x 1.86" (T) 208mm (W) x 153mm (H) x 47mm (T)
Weight	2.7 lbs (1.2 kg)
Power	[18-36 VDC] Universal AC 100V-240V, 50-60Hz input; 19V, 3.4A output
I/O - COM	USB (x2) Gig Ethernet (x1) RS422 (x1), RS232 (x1)

ENVIRONMENTAL PERFORMANCE	
Operating Temp.	-40 °C to 55 °C
Storage Temp.	-40 °C to +75 °C
Humidity	95 % @ 40 deg C
Altitude	0 to 45000 feet
Shock	40g / 15 ms , half sine MIL S 901D
Vibration	operating vibration 3G RMS 5 to 2000 Hz
Ingress Protection	IP65 (front bezel)
EMC	MIL-STD-1275B, MIL-STD-461



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