

# MILSYNAPSE 24

## 24 INCH MILITARY PANEL PC



## OVERVIEW

Our MILSYNAPSE 24 Rugged Military Panel PC is designed to meet or exceed all military standards for shock, vibration, and electromagnetic interference. They are tough, powerful, and ready to deploy now.

They feature a fanless design, with a tough, corrosion resistant housing, and wide viewing angles to  $\pm 89$  degrees. The MILSYNAPSE 24 delivers with powerful Intel® 6<sup>th</sup> Generation Skylake-U i7/i5/Celeron CPUs, and up to 16GB RAM.

All MILSYNAPSE Military Panel PCs offer convenient on-screen controls, auto-dimming, and integrated Intel® HD graphics as standard.

## FEATURES

- Intel® 6<sup>th</sup> Gen Skylake-U i7/i5/Celeron CPUs
- 16GB wide-temp 1 DDR4 2133 MHz RAM
- Intel® Integrated HD Graphics 250
- 24" diagonal viewing area
- 1920x1080 resolution
- Bezel mounted OSD and inline mouse
- 2 USB 3.0 Type A Ports
- 1 RS-232/422/485 Serial COM Port
- 2 RJFTV21G Ethernet Connectors
- Meets or exceeds:
  - MIL-STD-901D (shock)
  - MIL-STD-167-1A (vibration)
  - MIL-STD-461E (EMI)

# MILSYNAPSE 24 SPECIFICATIONS

## System & Motherboard

<b>CPU</b>	Intel® 6 <sup>th</sup> Generation Skylake-U i7/i5/Celeron CPUs
<b>RAM</b>	Up to 16GB Wide-Temp DDR4 2133MHz SO-DIMM
<b>BIOS</b>	Administrator lockout of USB ports - Administrator password access
<b>GPU</b>	Intel® HD Graphics 520

## Display

<b>Type</b>	LCD display with LED backlight
<b>Dimensions</b>	25 x 15.72 x 5.38 (W x H x D - inches - with handles)
<b>Screen Size</b>	24 inch diagonal
<b>Resolution</b>	1920x1080
<b>Glass</b>	2.8mm tempered
<b>Brightness</b>	300 cd/m <sup>2</sup>
<b>Viewing Angle</b>	± 89 degrees horizontal and vertical
<b>Touchscreen</b>	5-wire resistive touch
<b>OSD Menu</b>	Front bezel mounted OSD menu buttons that allow directly accessible brightness & volume control

## Input/Output

<b>USB</b>	2x USB 3.0 Type A
<b>Serial COM</b>	1x RS-232/422/485 Isolated Serial COM DB9 Male
<b>Ethernet</b>	2x RJFTV21G Amphenol Connectors
<b>Fiber</b>	Optional 1 (2x channel 100BaseFX) or Optional 2 (2x channel GbE)
<b>Function Keys</b>	Optional 2x User Programmable
<b>Mouse</b>	1x Inline Mouse
<b>Speaker</b>	2x 102 dB

## Storage Media

<b>SSD</b>	Wide-temp, user-accessible
<b>CFast</b>	Wide-temp, user-accessible

## Power

<b>Input Power</b>	90 – 264 VAC, 60 Hz, 1 Ø, 200 watts max
<b>Connector</b>	MS27656E15B5P Power Input Connector (115 VAC @60HZ DELTA)
<b>Switch</b>	ON/OFF Toggle Switch STDP, 15A, water tight
<b>Current</b>	1.8A max @ 115VAC
<b>Fusing</b>	2x external 5A panel mount

## Certifications

<b>Shock</b>	Built to meet or exceed MIL-STD-901D (Navy)
<b>Vibration</b>	Built to meet or exceed MIL-STD-167-1A
<b>Electromagnetic Interference (EMI)</b>	Built to meet or exceed MIL-STD-461F

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