

## MILPLEXUS 3000 RUGGED EMBEDDED COMPUTER



### ABOUT

With 6th Gen Quad Core Intel® Xeon® or Core™ i7 Processors (Skylake-H) with CM236 and up to 32Gb RAM, our MILPLEXUS 3000 series rugged embedded computer systems pack serious punch. MILPLEXUS 3000 features 2 GigE LAN, 4 SIM, 4 COM, 6 USB 3.0, 32 isolated DIO, and blistering NVIDIA GeForce GTX 950 graphics with support for NVIDIA Pascal™ GPU architecture and up to 7 independent displays!

The MILPLEXUS 3000 series is ideal for performance driven applications in the harshest operating environments. MILPLEXUS durability, size and raw computing horsepower make it an obvious choice.

### FEATURES

- Quad Core Intel® Xeon® or Core™ i7 CPUs (Skylake-H)
- NVIDIA GeForce® GTX 950 Graphics supports NVIDIA Pascal™ GPU architecture
- 2 DDR4 2133MHz, up to 32GB (ECC/ Non-ECC)
- 2 independent GigE LAN
- 4 SIM Card Socket for 3G/ 4G/ LTE/ WiFi/ GPRS/ UMTS
- 10V to 36V DC-in with 80V Surge Protection
- Configurable Ignition Power Control
- 32 isolated DIO (4 Mini PCIe/ mSATA)
- 2 Front-access 2.5" SSD trays
- 6 USB 3.0
- 4 COM

## System

<b>Processor</b>	Intel® Xeon® E3-1505M v5/ Core™ i7-6820EQ Processor (Skylake-H)
<b>Chipset</b>	Intel® CM236
<b>BIOS</b>	AMI
<b>SIO</b>	IT8786E
<b>Memory</b>	2x DDR4 2133MHz SO-DIMM, up to 32 GB (ECC/ non-ECC)

## I/O Interface

<b>Serial</b>	4x COM RS-232/ 422/ 485 (ESD 8KV)
<b>USB</b>	6x USB 3.0 (external), 1x USB 2.0 (internal)
<b>DIO</b>	32x Isolated DIO (16x DI, 16x DO)
<b>LED</b>	Power, HDD, Wireless
<b>SIM Card</b>	4x SIM Card Socket (3x external, 1x internal)

## Expansion

<b>Mini PCIe</b>	4x Mini PCIe socket: 3x Full-Size PCIe for PCIe/ USB/ External SIM/ mSATA 1x full-Size for PCIe/ Internal SIM/ mSATA
<b>SUMIT A, B</b>	2x SUMIT Slot (optional)

## Graphics

<b>Processor</b>	Intel® HD Graphics P530/ 530 NVIDIA GeForce® GTX 950
<b>Interfaces</b>	1 DVI-D : Up to 1920 x1200 @ 60 Hz 1 DVI-I : Up to 1920 x 1200 @ 60Hz 2 DisplayPort : Up to 4096 x 2304 @ 60Hz 3 DisplayPort : Up to 5120 x 3200 @ 60Hz 1 HDMI : Up to 5120 x 3200 @ 60Hz VGA : Up to 1920 x 1200 @ 60Hz

## Storage

<b>SATA</b>	3x SATA III (6Gbps)/ 1x SATA III co-lay with Mini PCIe (6Gbps)
<b>mSATA</b>	3x SATA III (Mini PCIe Type, 6Gbps)/ 1x SATA III co-lay with SATA (Mini PCIe Type, 6Gbps)
<b>Storage Device</b>	1x CFast Socket, Push-in/ Push-out Ejector/ 2x Front-access 2.5" SSD/ HDD Tray

## Audio

<b>Codec</b>	Realtek® ALC892, 5.1 Channel HD Audio
<b>Interface</b>	1x Line-Out, 1x Mic-In

## Ethernet

<b>LAN 1</b>	Intel® I219 Gigabit LAN supports iAMT 11.0
<b>LAN 2</b>	Intel® I210 Gigabit LAN

## Power

<b>Input</b>	10V to 36V, DC-in
<b>Interface</b>	3-pin Terminal Block : V+, V-, Frame Ground
<b>Remote Switch</b>	3-pin terminal Block: ON/OFF/IGN
<b>Surge Protection</b>	Up to 80V/1ms Transient Power
<b>Ignition Control</b>	16-mode, Internal

## Mechanical & Environmental

<b>Dimensions (L x W x H)</b>	260mm x 215mm x 79mm (10.2" x 8.5" x 3.1")
<b>Weight</b>	4.5 kg (9.92 lbs)
<b>Mounting</b>	Wallmount by bracket, 2U rackmount (optional)
<b>Operating/Storage Temp.</b>	-40°C to 60°C (-40°F to 140°F)/-40°C to 85°C (-40°F to 185°F)
<b>Humidity</b>	5% to 95% Humidity, non-condensing
<b>Relative Humidity</b>	95% at 60°C

## Other

<b>TPM</b>	Supports TPM 2.0 LPC Interface (optional)
<b>Watchdog Timer</b>	Reset: 1 to 255 sec./min. per step
<b>Smart Management</b>	Wake on LAN, PXE supported
<b>HW Monitor</b>	Temp., Voltage, Auto-throttle on CPU Overheat
<b>OS</b>	Win. 7, 8.1, 10, Linux