

MILPLEXUS 3000

RUGGED SOLID STATE COMPUTER



OVERVIEW

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**

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SPECIFICATIONS

System

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

I/O Interface

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

Expansion

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

Graphics

Processor	Intel® HD Graphics P530/ 530 NVIDIA® GeForce® GTX 950
Interfaces	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

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

Audio

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

Ethernet

LAN 1	Intel® I219 Gigabit LAN supports iAMT 11.0
LAN 2	Intel® I210 Gigabit LAN

Power

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

Mechanical & Environmental

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

Other

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