

MILAXON 3000

RUGGED EMBEDDED COMPUTER



OVERVIEW

With a powerful 6th Generation Intel®Core™ i7/ i5/ i3 U-series SoC (Skylake-U), the MilAxon3000 provides outstanding system performance with versatile I/O connections, and wide range power input with surge protection, smart management functions and rugged reliability.

The Rugged Science MilAxon3000 fanless embedded system delivers consistent power and performance in the harshest of military environments.

FEATURES

- 6th Generation Intel®Core™ i7/ i5/ i3 U-series SoC (Skylake-U)
- 2 Independent GigE LAN, iAMT 11.0 supported
- Slim design, Fanless, -25°C to 70°C Operating Temperature
- DDR4 2133MHz memory, up to 32GB
- DVI-D and Dual DisplayPort display interfaces, up to 4K display
- 2 Mini PCIe support 3G/ 4G/ LTE/ WiFi/ GPRS/ UMTS
- 2 External SIM Card Socket
- 5 USB 3.0, 1 CFast Socket, 32 GPIO
- 6V to 36V DC-in with 80V Surge Protection
- Configurable Ignition Power Control

MILAXON 3000

SPECIFICATIONS

System	
Processor	Intel® Core™ i7-6600U/i5-6300U/Celeron® 3955U Processor (Skylake-U)
Chipset	Intel® SoC (Skylake)
BIOS	AMI
SIO	IT8786E
Memory	2 DDR4 2133MHz SO-DIMM, up to 32GB
I/O Interface	
Serial	4 COM RS-232/422/485
USB 3.0	5 USB 3.0 (External)
USB 2.0	3 USB 2.0 (Internal)
GPIO	16 GPIO
LED	Power, HDD, Wireless
SIM Card	2 SIM Card Socket (External)
Expansion	
Mini PCIe	2 Mini PCIe Socket : <ul style="list-style-type: none"> 1 Mini PCIe for PCIe/USB/External SIM Card 1 Mini PCIe for PCIe/USB/External SIM Card/mSATA
Graphics	
Graphics Processor	Intel® HD Graphics 520
Interface	<ul style="list-style-type: none"> DVI-D : Up to 1920 x 1200 @ 60Hz DisplayPort 1 : Up to 4096 x 2304 @ 60Hz DisplayPort 2 : Up to 4096 x 2304 @ 60Hz
Storage	
SATA	2 SATA III (6Gbps)
mSATA	1 SATA III (Mini PCIe Type, 6Gbps)
Storage Device	<ul style="list-style-type: none"> 1 CFast Socket, Push-in/Push-out Ejector 2 2.5" SSD/HDD Bracket (Internal)
Audio	
Audio Codec	Realtek ALC892, 5.1 Channel HD Audio
Audio Interface	1 Mic-in, 1 Line-out
Ethernet	
LAN 1	Intel® I219LM GigE LAN supports iAMT 11.0
LAN 2	Intel® I210 GigE LAN
LAN 3 (Optional)	Intel® I219LM GigE LAN supports iAMT 11.0
LAN 4 (Optional)	Intel® I210 GigE LAN

Power	
Power Input	6V to 36V, DC-in
Power Interface	<ul style="list-style-type: none"> 3-pin Terminal Block : V+, V-, Frame Ground Mini-DIN 4-pin
Ignition Control	16 Mode (Internal)
Remote Switch	3-pin Terminal Block : On, Off, IGN
Surge Protection	Up to 80V/1ms Transient Power
UPS	Supported (Optional)
Others	
TPM	Optional Infineon SLB9665 supports TPM 2.0, LPC Interface
Watchdog Timer	Reset : 1 to 255 sec./min. per step
Smart Management	Wake on LAN, PXE supported
HW Monitor	Monitoring temperature, voltages. Auto throttling control when CPU overheats.
Software Support	
OS	Windows 10, Windows 8.1, Windows 7, Linux
Mechanical	
Dimensions (W x L x H)	257mm x 141mm x 48mm (10.11" x 5.55" x 1.89")
Weight	2.1 kg (4.6 lb)
Environment	
Operating Temperature	-25°C to 70°C (-13°F to 158°F)
Storage Temperature	-40°C to 85°C (-40°F to 185°F)
Humidity	5% to 95% Humidity, non-condensing
Relative Humidity	95% @ 70°C
Shock	<ul style="list-style-type: none"> IEC 60068-2-27 SSD : 50G @ wallmount, Half-sine, 11ms
Vibration	<ul style="list-style-type: none"> IEC 60068-2-64 SSD : 5Grms, 5Hz to 500Hz, 3 Axis
Certification	CE, FCC, EN50155, EN50121-3-2