



# MLEEDGE 2100

## SPECIFICATIONS

### System

<b>Processor</b>	Xeon D-1577/16 Cores/TDP 45W (24MB Cache)
<b>Lithography</b>	14nm Broadwell DE Lithography
<b>BIOS</b>	AMI EFI BIOS
<b>Memory</b>	4x DDR4 RDIMM slot (Registered DIMM) by dual channel up to 128 GByte ECC DRAM
<b>OS</b>	Windows Server   Linux
<b>IPMI/BMC Management</b>	1x GbE port with IPMI 2.0 support & iKVM 2.0
<b>Product Lifecycle Support</b>	15 year Intel Embedded Roadmap   Start Date: Q1 2016

### I/O Interface

<b>Serial</b>	Support for 4x COM connected via LPC bus
<b>USB</b>	4x USB 3.0 (External) 2x USB 2.0 (External)   2x USB 2.0 (Internal)
<b>Isolated DIO</b>	8x Isolated DIO: 4 DI, 4 DO
<b>Wake-on-LAN</b>	1x GbE port for Wake-on-LAN and PXE

### Expansion

<b>Mini PCIe</b>	2x Mini-Pcie Sockets
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### Storage

<b>SATA III</b>	4x SATA Gen 3 (6.0 Gb/s)
<b>CFast</b>	1x CFast Ejector
<b>RAID</b>	RAID Host Controller support RAID 0, 1, 10

### Graphics

<b>Processor</b>	AST 2400
<b>Interface</b>	1VGA: Up to 1920 x 1200 @ 60Hz

### Audio

<b>Audio Codec</b>	Realtek ALC892
<b>Audio Interface</b>	1 Mic-in, 1 Line-out

### Ethernet

<b>LAN 10G SFP+</b>	8x 10G SFP+ Ports for Fiber or Copper SFP+ Module (Note: All 4 ports can be configured to support 10/100/1000 transceivers in BIOS)
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<b>LAN 1 GbE SFP</b>	4x 10/100/1000 SFP Module
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<b>LAN Copper</b>	2x 10/100/1000 Copper Ports
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### Power

<b>Power Input</b>	12V to 36V, DC-in
<b>Power Interface</b>	3-pin Terminal Block: V+, V-, Frame Ground

### Built-in Monitors

<b>TPM</b>	Infineon SLB9665, supports TPM 2.0, LPC Interface
<b>Watchdog Timer</b>	Reset: 1 to 255 sec./min. per step
<b>Smart Management</b>	iManager 2.0-CPU throttling, thermal shutdown (Intel PECI) (from EC ITE8528)
<b>HW Monitor</b>	Monitoring Temperature, voltages. Auto-throttling control when CPU overheats.

### Mechanical

<b>Dimensions (LxWxH)</b>	292mm x 178mm x 102mm   11.5" x 7" x 4"
<b>Weight</b>	18 lbs (Average)
<b>Mouting</b>	- Wallmount by mounting bracket - 2U Rackmount (Optional)

### Environmentals

<b>Storage Temperature</b>	-20°C to 85°C (-40°F to 185°F)
<b>Humidity</b>	5% to 95% Humidity, non-condensing
<b>Environmental</b>	MIL-STD-810G (Pending)
<b>Shock</b>	MIL-STD-901D (Pending)
<b>Vibration</b>	MIL-STD-167-1 (Pending)
<b>EMI</b>	MIL-STD-461G

