MXE-1500 Series

Intel® Celeron® N3160/ N3060 SoC Fanless Embedded Computer

Features

- Intel® Celeron® QC N3160/DC N3060 SoC processor
- DDR3L 2x SODIMM up to 8GB
- 3x independent displays: DP, VGA (Optional LVDS or DP)
- Built-in ADLINK SEMA management solution
- Richer I/O :
  - 3x GbE, 2x RS-232/422/485, 2x RS-232, 4x DI/ 4x DO, optional: extra 2x RS-232/422/485, TPM2.0, amplifier
  - 2x USB 3.0, 5x USB 2.0, 1x 2.5" SATA, CFast, Mini PCIe, I^2C
- Last generation to support Windows 7 OS



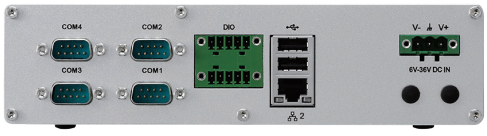
Introduction

The successor to ADLINK's best-selling MXE-1300 Series, the MXE-1500 offers richer I/O interfaces, and more flexible I/O configurations in the same compact enclosure. Intel® Celeron® N3160/N3060 (Braswell) processors, Intel's last generation of CPU to support Windows 7, power the MXE-1500 to a 90% increase in image processing capabilities over the previous generation, and support three independent displays, altogether delivering an unequaled price/performance ratio and making the MXE-1500 an ideal choice for industrial automation applications and mass transit operators.

Software Support

- **OS Support**
  Win10 IoT Enterprise CBB (Required to Customize BIOS to UEFI)
  Win7 Pro / WES7
  Linux, QNX (by request)





Ordering Information

- **MXE-1501**
  QC N3160, 2GB SODIMM
- **MXE-1501/M4G**
  QC N3160, 4GB SODIMM
- **MXE-1501/M8G**
  QC N3160, 2x 4GB SODIMM
- **MXE-1502**
  DC N3060, 2GB SODIMM
- **MXE-1502/M4G**
  DC N3060, 4GB SODIMM
- **MXE-1502/M8G**
  DC N3060, 2x 4GB SODIMM

Optional Accessories

- **DIN rail kit**
  10pcs/set
- **Wireless Kit**
  Wi-Fi/ BT/ 3G/ 4G LTE/ LoRa wireless kit (w/ Antenna)
- **90W AC-DC Adapter**
  Industrial grade AC-DC adapter
- **Extended Temperature**
  Optional screening for extended operating temperature -20 to 70°C
- **SSD/ HDD/ CFast**
  Assemble and test along with SSD/ HDD/ CFast

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Specifications

Model Name	MXE-1501	MXE-1502
System Core		
Processor	Quad Core Celeron N3160 1.6GHz, up to 2.24GHz	Dual Core Celeron N3060 1.6GHz, up to 2.48GHz
Memory	2x DDR3L SODIMM up to 8GB	
Graphic Output		
Display Port	1x DisplayPort	
VGA	1x VGA	
Optional	18/24bit single-ch LVDS or DisplayPort (optional)	
I/O Interface		
Ethernet	3x GbE (Intel® I211)	
Serial	COM1/2: RS-232, COM3/4: RS-232/422/485 COM5/6: RS-232/422/485 (optional), shared location w/ optional DisplayPort	
USB	2x USB3.0 + 4x USB2.0 + 1x internal USB 2.0 dongle	
DI/O	4 DI + 4 DO	
Audio	Mic-in / Line-out 2x 2W into 8Ω amplifier (optional)	
Expansion		
Mini PCIe	1x full size Mini PCIe	
USIM	1x USIM	
Manageability		
Security	TPM 2.0 (optional)	
WDT	Watch Dog Timer supported by SEMA	
SEMA	SEMA 3.5	
Power Supply		
DC Input	6-36V_{DC}	
AC Input	Optional 90 W AC/DC adapter	
Storage Device		
SATA Storage	1x 2.5" SATA	
CompactFlash	1x CFast	
Mechanical		
Dimensions	210 (W) x 170 (D) x 53 (H) mm	
Weight	1.5 Kg (3.31 lbs)	
Mounting	VESA 100 DIN rail (optional)	
Environmental		
Operating Temperature*	Standard: 0°C to 50°C (32°F to 122°F) Extended temperature option: -20°C~70°C (-40°F to 158°F) (w/ industrial SSD/CFast)	
Storage Temperature	-40°C to 85°C (-40°F to 185°F)	
Humidity	Approx. 95% @40°C (non-condensing)	
Vibration	Operating 5Grms, 5-500 Hz, 3 axes w/ SSD; Operating 0.3Grms, 5-500 Hz, 3 axes w/ HDD	
ESD	Contact +/- 6KV, Air +/- 10KV	
Shock	Operating 100G, half sine 11 ms duration w/ SDD; Operating 20G, hafl sine 11ms w/ HDD	
EMC	EN61000-6-4/-2, CE/FCC Class A (Class B by request)	
Safety	UL[by CB]	

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