



APPLICATIONS

- IloT-ready for factory-floor equipment and machine controllers
- Portable healthcare instrumentation and equipment
- Man-Wearable Computing
- Mobile computing for IloT, payload / mission computers, intelligent controllers or datalogging

FEATURES

- Intel® Atom E3800-3845 Quad, Intel Atom E3800-3827 Dual
- Up to 8GB DDR3L 1333MHz
- DVI 1920x1080 @ 60Hz 24bpp; Supports VGA/CRT
- 3x Gbit LAN Intel i210; 4x USB 2.0
- Expansion: 1x M.2 Key-B 2280 with 1x PCIe1
- -20C to +50C Standard, Optional -40C to +70C
- On-board CMOS battery: Standard Temperature Only
- Voltage Input = 20V - 30V
- HWD = 41mm x 162mm x 122mm (1.6" x 6.4" x 4.8")
- Mounting: Din Rail; VESA 75x75 & 100x100; Bottom Mount
- CE/FCC EMC Compliant; Safety by CB Scheme
- Microsoft Azure Certified for IoT

DESCRIPTION

The ADLEPC-1600 Embedded PC is Microsoft Azure Certified for IoT.

The ADLEPC-1600 is an IloT-Ready compact, fanless rugged embedded PC based on Intel's E3800-series Atom processors with greatly improved performance-per-watt featuring Intel's 7th generation graphics engine for stunning graphics performance. The ADLEPC-1600 features durable milled aluminum construction and targets rugged IloT applications in a variety of environments where high mechanical stress or temperature extremes (up to -40C to +70C) are a consideration.

The ADLEPC-1600 features LAN and 802.11 WiFi cloud connectivity and USB 2.0 and three Gb/s LAN ports making it ideal for deployment in rugged IoT applications such as network routing, IoT gateways, network appliances and many other industrial computing needs.

The ADLEPC-1600 can be readily configured by the customer with Windows, Linux or other operating systems as well as application-specific software for gateways, routers or other IoT applications.

The ADLEPC-1600 brings the benefits of Industrial IoT (increased productivity, energy efficiencies and predictive failure analysis) to many rugged use scenarios previously neglected. Targeted vertical markets include factory automation, transportation, alternative energy, oil and gas, and any demanding mobile computing applications in harsh environments.

Our staff of CPU designers and engineers can custom tailor embedded system designs to meet a broad range of customer-specific space, power, electrical or environmental requirements.

[Contact](#) your sales representative for more information.

*Data subject to change without notice.



ORDERING INFORMATION

ITEM CODE	PART #	DESCRIPTION
Base		
ADLEPC-1600-E3845	ADLEPC-1600-QD	Intel E3845; Quad-Core, 1.91 GHz, 2MB, -20C to +50C; 4G DDR3-1333
ADLEPC-1600-E3827	ADLEPC-1600-DC	Intel E3827; Dual-Core, 1.75 GHz, 1MB, -20C to +50C; 4G DDR3-1333
ADLEPC-1600-E3845EXT	ADLEPC-1600-QD-EXT	Intel E3845; Quad-Core, 1.91 GHz, 2MB, -40C to +70C; 4GB DDR3-1333 Ext.**
ADLEPC-1600-E3827EXT	ADLEPC-1600-DC-EXT	Intel E3827; Dual-Core, 1.75 GHz, 1MB, -40C to +70C; 4GB DDR3-1333 Ext.**
		**Includes: chamber screening, BGA underfill and extended temp memory
Additional Memory		
DDR3-DRAM4096-1333	997507	DDR3-1333MHz 4GB Standard Temperature
DDR3-DRAM4096-1333-EX	997517	DDR3-1333MHz 4GB Extended Temperature
Options and Accessories		
M.2-mPCIe	ADL1001	2280 Key B M.2 to mPCIe Adapter
ADLEPC-1600-PWR	ADLEPC-1600-PWR	150W, 24V AC/DC Wall Adapter; Std Temperature
ADLEPC-1600-DIN	46199038	ADLEPC-1600 DIN Rail Mounting Kit
802.11 WiFi	Call for options	802.11ac WiFi with external Antennas
M.2 SATA	Call for options	M.2 Key-B 2242 SATA; MLC/SLC
2.5" SATA	Call for options	2.5" SATA SSD (3Gbit/sec)

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