



APPLICATIONS

- UAV and UUV unmanned systems
- Industrial control systems
- Industrial camera systems for toll roads, border security, and other applications
- Industrial equipment and instrumentation
- Robotics
- Datalogging
- Wearable Computing
- Traffic engineering
- License plate recognition (LPR)
- Digital signage
- Kiosk and ATM applications

DESCRIPTION

Based on the ADLE3800SEC E3800-series Edge-Connect SBC, this compact embedded PC delivers maximum performance in a very small 3.4" x 3.2" footprint. It features an Intel E3800-series Atom processor with onboard 4GB DDR3 RAM and an integrated Intel HD Graphics engine with support for DirectX 11, Open GL 4.0, and full HD video playback.

The ADLEPC-1500 comes packaged in an industrial-grade chassis with mounting options for a variety of environments. Via its SBC edge-connect architecture, the ADLEPC-1500 can easily be extended to larger custom systems with added I/O and functionality. This makes possible a fixed processor/software combination across similar products with varying I/O needs. For further information, please contact our sales engineering team: sales@adl-usa.com.

TECHNICAL SPECIFICATIONS

FEATURES	FUNCTIONS
Processors Available	E3845 - quad core Atom, 1.91GHz, 2MB cache E3827 - dual core Atom, 1.75GHz, 1MB cache
Memory	4GB DDR3-1333MHz (soldered onboard)
Graphics	Display Port (2560x1600); BIOS option for HDMI (1920x1200) using DisplayPort cable.
SATA Flash Storage	1x M.2 Socket Key B, 2242
Input/Output	2x 100/1000 LAN, 1x USB2.0, 1x USB3.0, 1x Display Port
Input Voltage	20-30 VDC; 24V Nominal; Optional 7-36V mod.
HWD Dimensions	1.3" x 3.4" x 3.2" (33mm x 86mm x 81mm)
Operating Temperature	-20C to 50C. Extended -40C to 70C (direct mounted for conduction cooling).
Operating System	Linux and Windows 7 and 10 compatible; pre-load options available.
Mounting Options	DIN Rail; VESA 50mm x 50mm; Direct Mount
EMC	CE/FCC compliant; Safety by CB Scheme
Shock and Vibration	Designed for EN50155 Railway Tolerance

*Data subject to change without notice.

ORDERING INFORMATION

PART #	DESCRIPTION
ADLEPC-1500-QD	E3845 Atom Processor; Quad Core, 1.91GHz, 2MB Cache, Std Temperature
ADLEPC-1500-DC	E3827 Atom Processor; Dual Core, 1.75 GHz, 1MB Cache, Std Temperature
ADLEPC-1500-QC-EXT	E3845 Atom Processor; Quad Core, 1.91GHz, 2MB Cache, Extended Temperature
ADLEPC-1500-DC-EXT	E3827 Atom Processor; Dual Core, 1.75 GHz, 1MB Cache, Extended Temperature
ADLEPC-1600-PWR	24VDC, 150W AC/DC Wall Adapter
M.2 2242 Key B SATA	Call for options.
ADLEPC-1500-DIN	DIN Mounting Kit