



Palm Sized HWD: 58mm x 85mm x 90mm | 2.3" x 3.3" x 3.5"

TECHNICAL SPECIFICATIONS

FEATURES	FUNCTIONS
Processors Available	Formerly Codenamed Elkhart Lake Intel x6416RE QC, 1.5MB, 1.70 GHz, 9W TDP Intel x6214RE DC, 1.5MB, 1.40 GHz, 6W TDP
Memory	Up to 8GB LPDDR4-3200 soldered-down.
Display	DP++ (4096 x 2160, 24 bit @ 60 Hz)
Security	Firmware TPM 2.0
Battery	Industrial RTC battery installed
SATA Flash Storage	1x M.2 Socket Key B, 2242
Input / Output	4x 10/100/1000 LAN 4x USB3.0 1x Display Port
Input Voltage	24VDC Nominal, (+20% / -15%) Galvanic Isolation = 1500Vrms
Dimensions / Weight	HWD: 58mm x 85mm x 90mm (2.3"x 3.3" x 3.5") Approx. Weight = 541g (19.1oz)
Operating Temperature	Standard Temperature = -40C to 70C Note: Max temperature 75C+ when mounted to cooling plate.
Operating Systems	Windows 10 and 11, Linux
Mounting Options	DIN Rail; VESA 50mm x 50mm; Direct Mount

*Data subject to change without notice.

APPLICATIONS

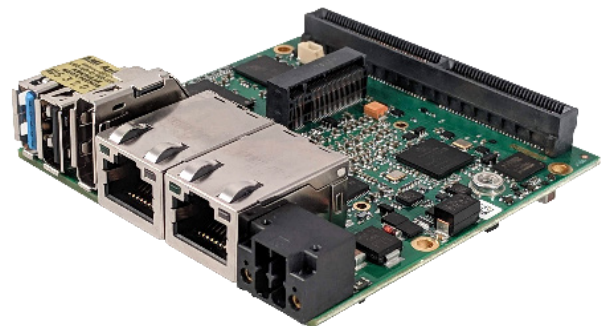
- Industrial IoT (IIoT) network and cloud computing
- Cyber security edge devices for networks, ICS and SCADA threat security
- Secure networking (routing, traffic monitoring and gateways)
- Intelligent machinery and equipment controllers
- Unmanned or autonomous vehicle mission / payload computing
- Traffic Engineering
- Wind turbine datalogging and collision avoidance
- Oil and Gas
- Kiosk and ATM applications

DESCRIPTION

Based on the ADL6000SEC, this compact embedded PC delivers maximum performance in a very small 2.3" height and 3.3" x 3.5" footprint. It features an Intel x6000-series Atom processor with up to 8GB rugged soldered-down LPDDR4 memory and an integrated Intel® UHD Graphics engine with support for DirectX 12, Open GL 4.6, and full HD video playback. The ADLEPC-1570 comes packaged in an industrial-grade chassis with mounting options for a variety of environments.

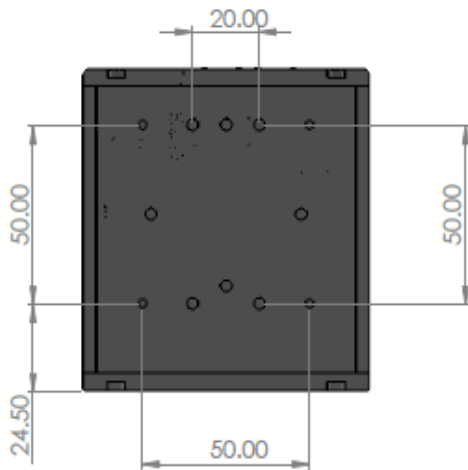
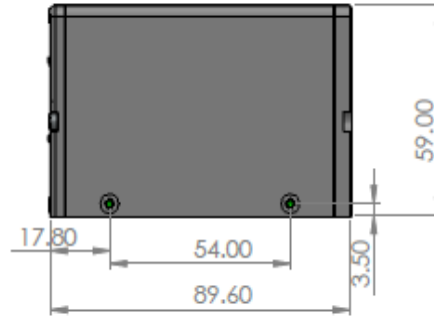
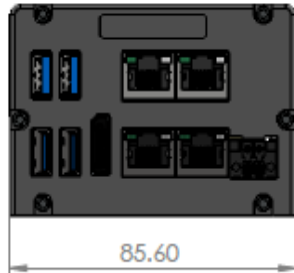
Custom Design Services

ADL Embedded Solutions, Inc. offers custom design services to support customer-specific applications requiring additional I/O such as RS232, WiFi, CAN 2.0 and other functions. As well, ADL is well versed at creating rugged enclosures for high-IP (ingress protection) industrial applications or rugged military use.





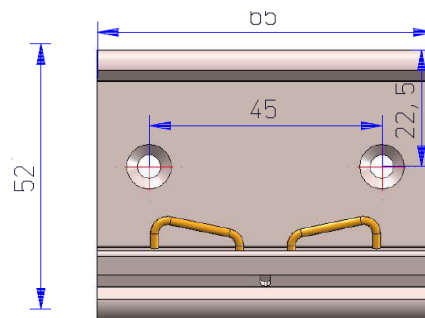
Mechanical Dimensions



MOUNTING

BOTTOM:
VESA M4X0.7 20mmX50mm
M3X0.5 50mmx50mm
Optional:
DIN RAIL Upright
DIN RAIL 90 degrees
Side:
M2.5 54mmx17.80mm

DIN RAIL Dimensions





ORDERING INFORMATION

System Item Code	Part #	DESCRIPTION
ADLEPC-1574-x6416RE/8GB	ADLEPC-1574-QC-EXT	Intel x6416RE QC, 1.70 GHz, 8GB LPDDR4, 1.5MB, TDP 9W, Passmark est. 2000
ADLEPC-1572-x6214RE/4GB	ADLEPC-1572-DC-EXT	Intel x6214RE DC, 1.40 GHz, 4GB LPDDR4, 1.5MB, TDP 6W, Passmark 1109
Options and Accessories	Part #	DESCRIPTION
ADLEPC-1600-PWR	ADLEPC-1600-PWR	24VDC, 40W AC/DC Wall Adapter, -20C to 60C.
ADLEPC-1500-DIN	ADLEPC-1500-DIN	DIN Mounting Kit
M.2 2242 Key B SATA	Call for options	M.2 2242 Key B SATA
Chamber Burn-In	290000	4 hr burn-in from -40C to 85C. Test sheet provided.
CPU Coating/Underfill	807708	CPU board Conformal Coating and BGA Underfill for high shock and vibration and humidity.
M.2 Coating	807720	M.2 module Conformal Coating