

BOX PC WITH UPS INSIDE

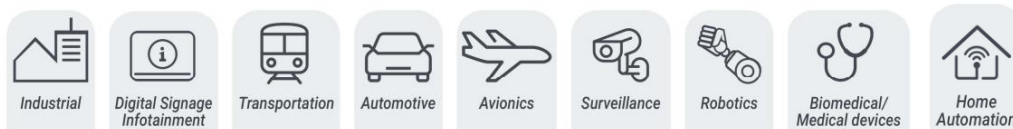
General-purpose board based on the Intel Atom® E3900 series or Intel Atom® x6000E series processor with an internal emergency power storage system.



















HIGHLIGHTS

- Based on Intel Atom® E3900 series processor (Apollo Lake); Intel Atom® x6000E series processor (Elkhart Lake) is available on request
- Internal Emergency power storage system with about 1 min for backup run-time
- 2x M.2 Slot KEY B for data storage mirroring function
- Connectivity: 2 x Gb Ethernet, 2 x USB2.0, 2 x UART

APPLICATIONS



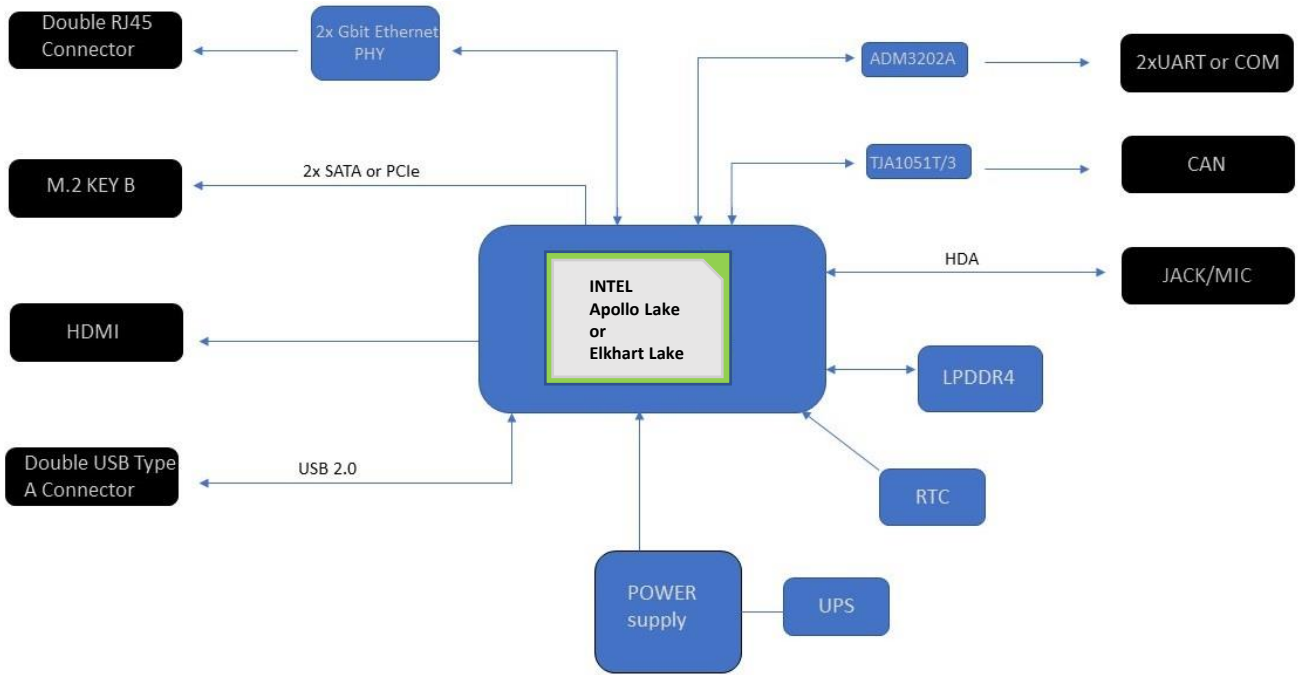
FEATURES

 CPU	<ul style="list-style-type: none"> • Intel® Atom™ x7-E3950 (4 x 1.6 / 2.0 GHz, 2MB L2 cache, 12W) • Intel® Atom™ x5-E3940 (4 x 1.6 / 1.8 GHz, L2 cache 2MB, 9W) • Intel® Atom™ x5-E3930 (2 x 1.3 / 1.8 GHz, L2 cache 1MB, 6.5W) 	 NETWORKING	2 x Ethernet interface up to 1 Gb
 CORES	Up to 4 Cores	 MASS STORAGE	<ul style="list-style-type: none"> • 2x M.2 Slot KEY B for SSD • eMMC drive soldered on-board (option)
 MEMORY	Up to 8GB LPDDR4	 USB	2 x USB HOST 2.0
 GRAPHICS	<ul style="list-style-type: none"> • Intel® 11th generation (Gen 11) LP graphics controller. • DirectX 12.1 compliant, OpenGL ES 3.1/3.0/2.0/1.1, OpenGL 4.5 supported, OpenCL™ 1.2, Vulkan 1.0 APIs, Dedicated FIVR for Graphics, Intel® Virtualization Technology for Directed I/O (VT-d) 	 PERIPHERAL INTERFACES	<ul style="list-style-type: none"> • 2 x UART, • CAN (EHL ONLY)
 VIDEO INTERFACES	HDMI up to 4096x2160@60Hz	 AUDIO	Line OUT, Mic IN
 VIDEO PROCESSING	<ul style="list-style-type: none"> • HEVC/H.265, H.264, VP9, VP8, MV9/VC1, MPEG-2, VC-1. JPEG/MJPEG dec • HEVC/H.265, H.264, VP9, JPEG/MJPEG enc 	 OPERATING SYSTEM	<ul style="list-style-type: none"> • Ubuntu • Windows 10
 UPS	Internal Emergency power storage system (about 1 min for backup run-time)	 POWER SUPPLY	+24 V DC
		 DIMENSIONS	106 x 157 x 93 mm
		 OPERATING TEMPERATURE*	-40°C to 50°C

* Valid for all components except CPU. Customer shall consider junction temperature for CPU. Temperature will widely depend on application. Specific cooling solutions could be necessary for the final system.

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BLOCK DIAGRAM



ORDERING INFORMATION

PN	CPU	RAM	M.2 Slot KEY B (for SSD)	Networking 1Gb port	USB HOST 2.0
GIS-2000	APL E3950	4GB	2	2	2
GIS-2001	APL E3940	4GB	2	2	2
GIS-2002	APL E3930	4GB	2	2	2

* Note that SSD is not included in the above configuration and need to be purchased separately