

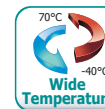
EC700-AL

Atom

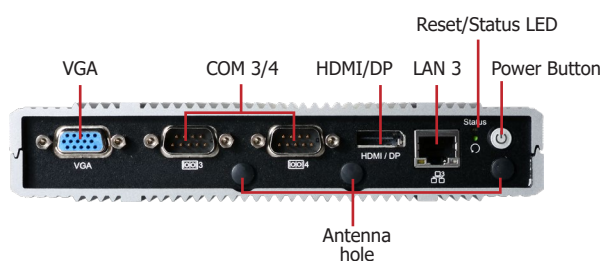


Features

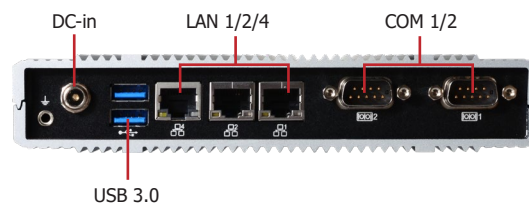
- Compact and Fanless Embedded System
- DDR3L-1866 memory onboard + 1 SODIMM up to 8GB
- Displays: 1 DP/HDMI combo + 1 DP/VGA
- Supports 2 Mini PCIe and 1 M.2 slots
- Rich I/O ports: up to 4 Intel GbE, 4 COM, 4 USB
- Extended operating temperature: -40 to 70°C



Panel

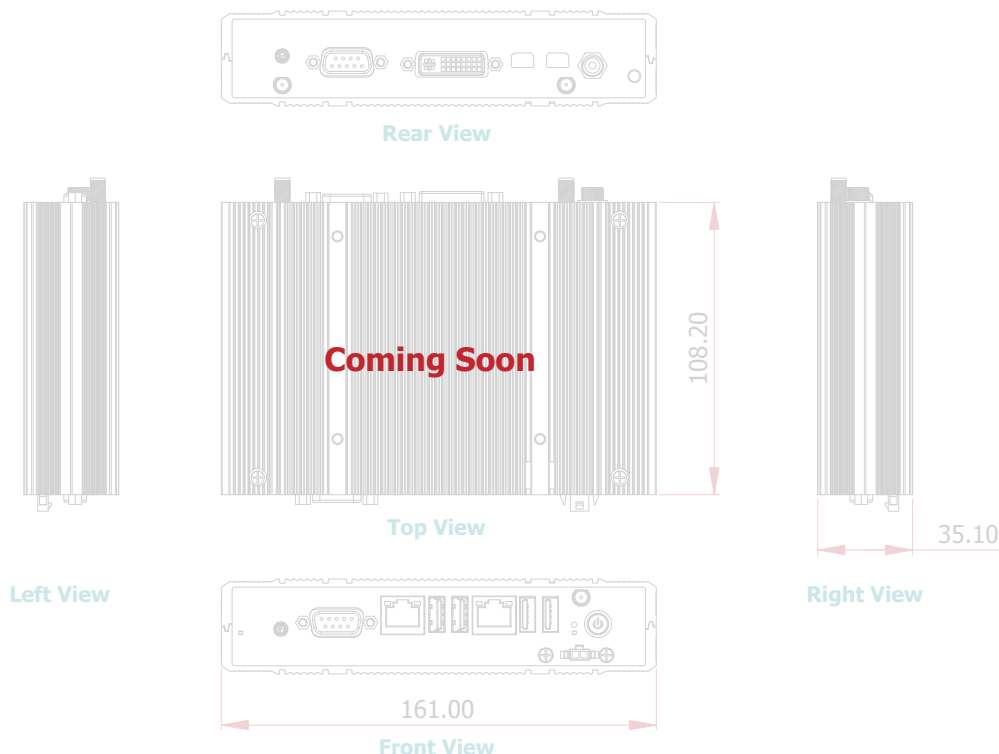


Front View



Rear View

Dimensions



Specifications

SYSTEM	Processor	Intel Atom® Processor E3900 Series, BGA 1296 Intel Atom® x7-E3950 Processor, Quad Core, 2M Cache, 1.6GHz (2.0GHz), 12W Intel Atom® x5-E3940 Processor, Quad Core, 2M Cache, 1.6GHz (1.8GHz), 9W Intel Atom® x5-E3930 Processor, Dual Core, 2M Cache, 1.3GHz (1.8GHz), 6W Intel® Pentium® Processor N4200, Quad Core, 2M Cache, 1.1GHz (2.5GHz), 6W Intel® Celeron® Processor N3350, Dual Core, 2M Cache, 1.1GHz (2.4GHz), 6W Intel® Celeron® Processor J3355, Dual Core, 2M Cache, 2.0GHz (2.5GHz), 10W Intel® Celeron® Processor J3455, Quad Core, 2M Cache, 1.5GHz (2.3GHz), 10W	
	Memory	2GB/4GB/8GB Memory onboard One 260-pin SODIMM up to 8GB	
	BIOS	Insyde SPI 128Mbit (supports UEFI/Legacy mode)	
	Controller	Intel® HD Graphics	
GRAPHICS	Feature	OpenGL 4.2, Direct X 11.1, OpenCL 1.2, OGL ES 3.0 HW Decode: H.264, MPEG2, VC1, VP8, H.265, MPEG4, MVC, VP9, WMV9, JPEG/MJPEG HW Encode: H.264, MPEG4, VP8, H.265, MVC	
	Display	1 x DP/HDMI combo 1 x DP/VGA	HDMI: resolution up to 3840x2160 @ 30Hz DP: resolution up to 4096x2160 @ 60Hz VGA: resolution up to 1920x1200 @ 60Hz
	Dual Displays	DP/HDMI + DP DP/HDMI + VGA	
	Internal	Support EMMC up to 8G/16GB/32GB/64GB (optional) Only EC700-AL-2LD / EC700-AL-3LD supports: 1 x 2.5" SATA 3.0 Drive Bay (support thickness 7mm HDD or SSD)	
EXPANSION	Interface	1 x Full-size mSATA (SATA/LPC) 1 x Full-size Mini PCIe (USB2.0/reset/SIM) 1 x M.2 (2230 E Key) (PCIe/USB2.0)	
AUDIO	Audio Codec	Realtek ALC262	
ETHERNET	Controller	EC700-AL-2LD: 2 x Intel® I210IT PCIe (10/100/1000Mbps) EC700-AL-3LD / EC700-AL-3L: 3 x Intel® I210IT PCIe (10/100/1000Mbps) EC700-AL-4L: 4 x Intel® I210IT PCIe (10/100/1000Mbps)	
LED	Indicators	1 x Power LED 1 x Status LED	
FRONT I/O	Ethernet	EC700-AL-3L: 1 x GbE (RJ-45) EC700-AL-4L: 1 x GbE (RJ-45)	
	Serial	3 x RS-232/422/485 (DB-9) (8-bit DIO available upon request)	
	Display	1 x DP/HDMI combo	
	Buttons	1 x Power Button 1 x Reset Button	
	Wi-Fi Antenna	3 x Wi-Fi Antenna Hole	
REAR I/O	Ethernet	EC700-AL-2LD / EC700-AL-3L: 2 x GbE (RJ-45) EC700-AL-3LD / EC700-AL-4L: 3 x GbE (RJ-45)	
	Serial	1 x RS-232/422/485 (DB-9)	
	Display	1 x DP/VGA	
	USB	EC700-AL-2LD / EC700-AL-3LD / EC700-AL-4L: 2 x USB 3.0 (type A) EC700-AL-3L: 4 x USB 3.0 (type A)	
	Audio	1 x Mic-in 1 x Line-out	
WATCHDOG TIMER	Output & Interval	System Reset, Programmable via Software from 1 to 255 Seconds	
POWER	Type	Wide Range 9~36V	
	Connector	DC Jack	
OS SUPPORT (UEFI ONLY)		Windows 10 IoT (64-bit) Windows 7 (32/64-bit)	Linux
MECHANISM	Construction	Aluminum + Metal	
	Mounting	Wall/VESA/DIN Rail Mount (available upon request)	
	Dimensions (W x H x D)	180mm x 33mm x 121.2mm	
	Weight	700g	
ENVIRONMENT	Operating Temperature	-20 to 60°C -40 to 70°C (E3930 only)	
	Storage Temperature	-40 to 85°C	
	Relative Humidity	5 to 95% RH (non-condensing)	
STANDARDS AND CERTIFICATIONS	Certification	CE, FCC class A	