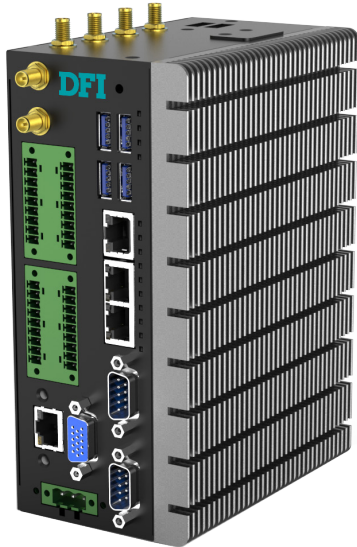


ED700-EHL



Intel® Atom® Processors X Series
Fanless Embedded System

KEY FEATURES



5G Connectivity

Support 5G Sub-6 module



WiFi 6 Connectivity

Support WiFi 6 module



2.5GbE TSN

Support 1 x 2.5GbE TSN , 3 x GbE LAN



Wide Operating Temperature

Support up to -40 ~ 70°C

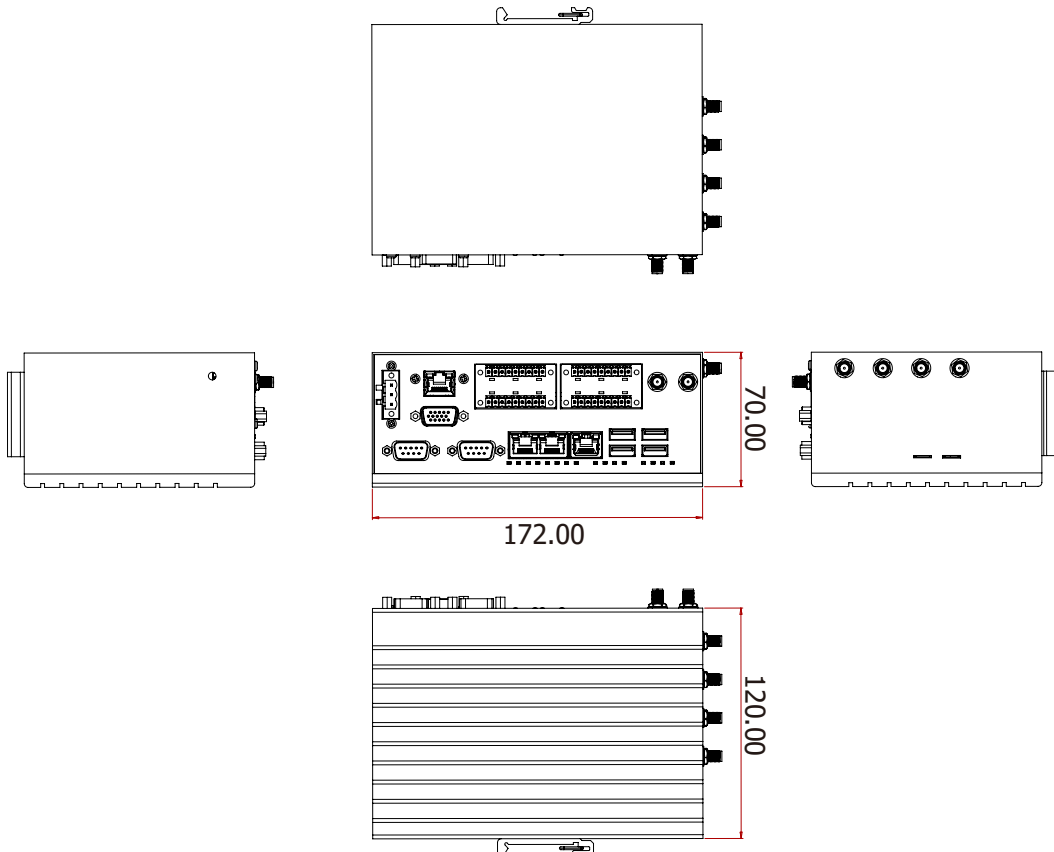


Isolated COM & DIO

Support isolated COM & DIO



DIMENSIONS



SPECIFICATION

SYSTEM	Processor	Intel® Atom® Processors X Series, BGA 1493, Intel PC Client Series Intel® Celeron® J6412 4 cores, 2.0 to 2.6 GHz, TDP 10W, Tj 0 to 105°C Intel® Celeron® J6413 4 cores, 1.8 to 3 GHz, TDP 10W, Tj 0 to 105°C Intel® Pentium® J6426 4 cores, 2.0 to 3 GHz, TDP 10W, Tj 0 to 105°C Intel® Celeron® N6210 2 cores, 1.2 to 3 GHz, TDP 6.6W, Tj 0 to 105°C Intel® Celeron® N6211 2 cores, 1.2 to 3 GHz, TDP 6.5W, Tj 0 to 105°C Intel® Pentium® N6415 4 cores, 1.2 to 3 GHz, TDP 6.5W, Tj 0 to 105°C Intel® Embedded Series Intel® Atom® x6211E 2 cores, 1.2 to 2.6 GHz, TDP 6.5W, Tj -40 to 105°C Intel® Atom® x6413E 4 cores, 1.5 to 3 GHz, TDP 9W, Tj -40 to 105°C Intel® Atom® x6425E 4 cores, 1.8 to 3 GHz, TDP 12W, Tj -40 to 105°C Intel® Industrial Series Intel® Atom® x6212RE 2 cores, 1.2 GHz, TDP 6W, Tj -40 to 110°C Intel® Atom® x6414RE 4 cores, 1.5 GHz, TDP 9W, Tj -40 to 110°C Intel® Atom® x6425RE 4 cores, 1.9 GHz, TDP 12W, Tj -40 to 110°C Intel® FuSa Series Intel® Atom® x6427FE 4 cores, 1.2 GHz, TDP 12W, Tj -40 to 110°C Intel® Atom® x6200FE 2 cores, 1.0 GHz, TDP 4.5W, Tj -40 to 110°C
	BIOS	AMI SPI 256Mbit (supports UEFI boot only)
GRAPHICS	Controller	Intel® UHD Graphics for 10th Gen Intel® Processors
	Feature	OpenGL 4.5, DirectX 12, Open CL 1.2, Vulkan 1.1 HW Decode: AVC/H.264, MPEG2, VC1/WMV9, JPEG/MJPEG, HEVC/H.265, VP8, VP9 HW Encode: AVC/H.264, JPEG/MJPEG, HEVC/H.265, VP9
	Display	1 x VGA VGA: resolution up to 2560x1600@60Hz
STORAGE	Internal	1 x 2.5" SATA 3.0 Drive Bay 1 x M.2 2280 (SATA/PCIe x4)
	eMMC	eMMC 16GB/32GB/64GB
EXPANSION	Interface	1 x M.2 2230 (USB/PCIe) 1 x M.2 3042/3052 (USB 3.0/PCIe) with dual SIM
AUDIO	Audio Codec	ALC262
ETHERNET	Controller	3 x Intel® Ethernet Controller I210/I211 GigE LAN 1 x Intel® Ethernet Network Connection GPY215 supports 2.5GigE LAN
LED	Indicators	1 x Power LED 1 x HDD LED 1 x WiFi LED 1 x 4G/5G LED 4 x COM LED 12 x DIO LED (isolated port)
BOTTOM I/O	USB	2 x USB 2.0 (by request)
TOP I/O	Antenna Hole	4 x antenna opening for 4G/5G/GPS
	SIM slot	Dual SIM
FRONT I/O	Ethernet	3 x GbE RJ45 (among 1 is co-lay with 2 x USB 3.1) 1 x 2.5GbE TSN RJ45 1 x Intel OOB or Remoguard SSD
	USB	4 x USB 3.1 (among 2 is co-lay with GbE LAN)
	Display	1 x VGA
	DIO	12-bit isolated DIO 8-bit DIO (jumper switch to COM)
	Antenna Hole	2 x antenna opening for WiFi
WATCHDOG TIMER	Output & Interval	System reset, programmable via software from 1 to 255 seconds
SECURITY	TPM	TPM 2.0
POWER	Type	Wide range 9~36V
	RTC Battery	RTC battery CR2032
	Connector	3-pole terminal block 2-pin power extension switch onnector
OS SUPPORT	Microsoft	Windows 10 IoT Enterprise 64 Bit
	Linux	Ubuntu 20.04
ENVIRONMENT	Operating Temperature	-20 to 60°C -40 to 70°C
	Storage Temperature	-40 to 85°C
	Relative Humidity	10 to 90% RH (non-condensing)
MECHANICAL	Construction	Aluminum + Metal
	Mounting	Wall/DIN rail mount
	Dimensions (W x H x D)	70mm x 195mm x 120mm
	Weight	TBD
STANDARDS AND CERTIFICATIONS	Shock	Operating: 3G, 11ms Non-Operating: 5G, 11ms
	Vibration	Operating: Random 5~500Hz, IEC68-2-64 (3G) Non-Operating: Sine 10~500Hz, IEC68-2-6 (3G)
	Certifications	CE (Heavy industrial grade), FCC (Heavy industrial grade)