

ECX700-ADP



Intel Processor i5-1245UE or i7-1265UE
Ruggedized Fanless Embedded System

KEY FEATURES



Ultra Rugged Design

IP67/ IP69K, comply with military criteria of vibration and shock test



Wide Temperature

Operating temperature: -20° to 70° C



Wide Voltage

Power range: 9~36V



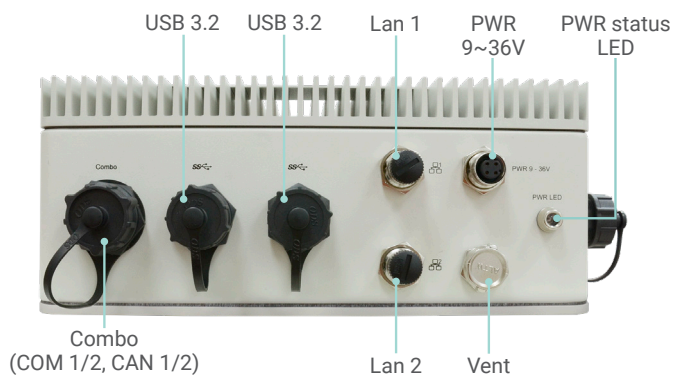
Wireless

Optional WiFi, LTE

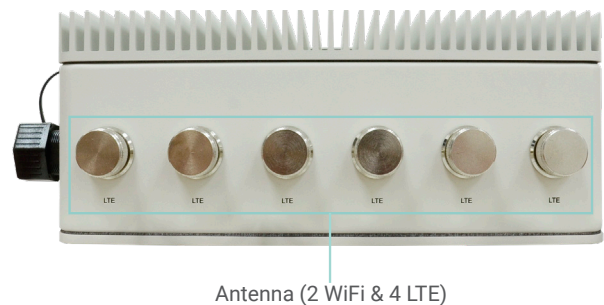


IoT Solutions Alliance

PANEL



Bottom View



Top View

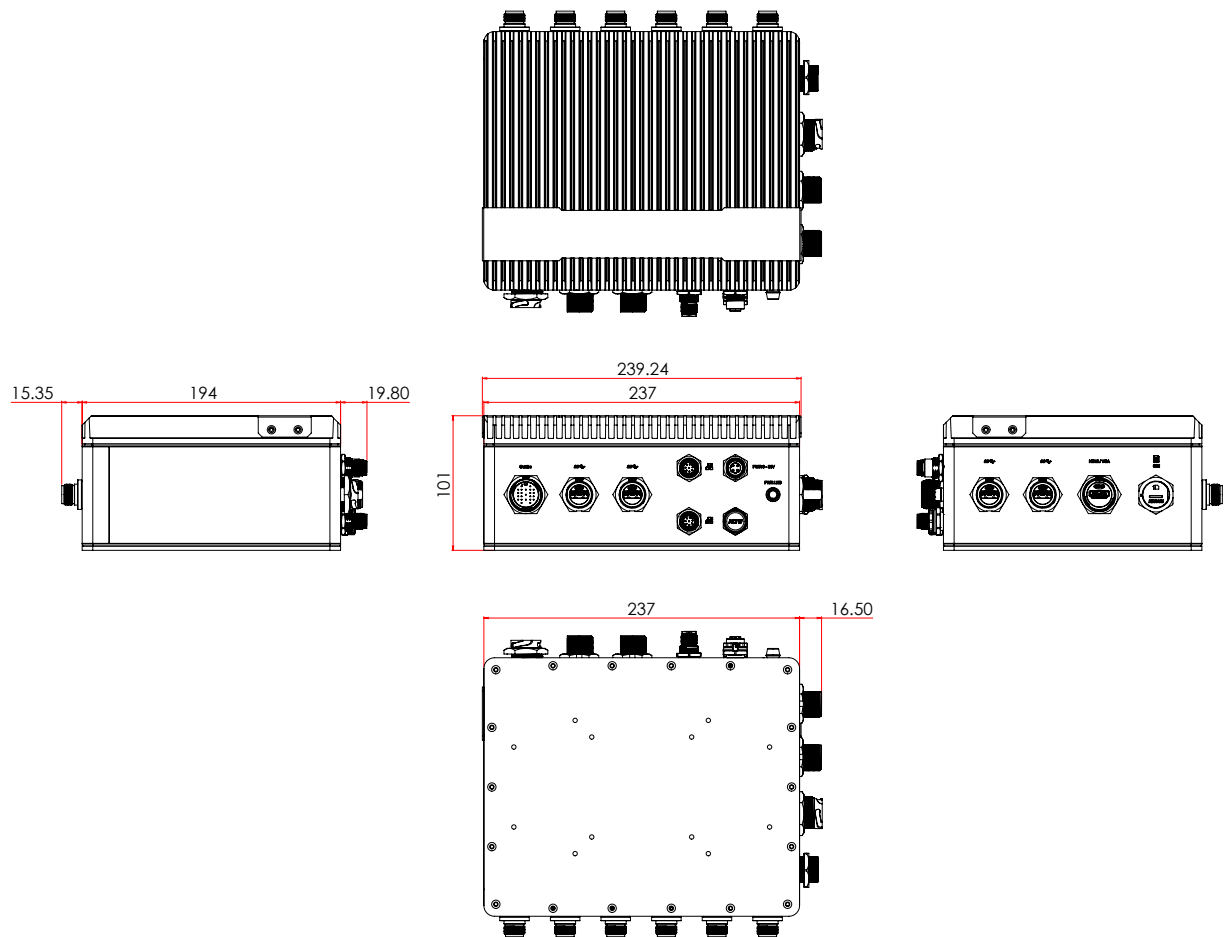


Right View



Left View

DIMENSIONS



SPECIFICATION

SYSTEM	Processor	12th Gen Intel® Core™ Processors, BGA 1744 (Alder Lake-P, 15W) Intel® Core™ i7-1265UE Processor, 10C12T, 12M Cache, 1.7GHz (4.7GHz) Intel® Core™ i5-1245UE Processor, 10C12T, 12M Cache, 1.5GHz (4.4GHz)	
	Memory	8GB On-board memory & one SO-DIMM DDR4 up to 32GB Dual Channel DDR4 3200MHz	
	BIOS	AMI SPI 256Mbit	
GRAPHICS	Controller	Intel® Iris® Xe Graphics eligible	
	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 HDMI	HDMI: resolution up to 3840x2160@30Hz
STORAGE	M.2 SSD (M Key)	256GB Available(128GB/512GB by project support)	
EXPANSION	Interface	1 x M.2 3042/3052 B key (PCIe x1 & USB3.0/2.0)(for LTE or 5G module, optional) 1 x M.2 2230 E Key (PCIe x1 & USB2.0)(for Wi-Fi module, optional)	
ETHERNET	Controller	2 x Intel® i225IT (10/100/1000Mbps)	
LED	Indicators	1 x Power Status LED	
BOTTOM I/O	USB	2 x USB 3.2	
	LAN	2 x GbE	
	Combo	2 x RS232 and 2 x Can bus protocol	
	Vent	1 x Vent	
	Power	1 x 9~36V DC-IN	
TOP I/O	Antenna Hole	6 x Antenna (for Wi-Fi, LTE, 5G, optional)	
RIGHT SIDE I/O	Display	1 x HDMI	
	SIM slot	1 x SIM card slot	
	USB	2 x USB 3.2	
WATCHDOG TIMER	Output & Interval	System Reset, Programmable via Software from 1 to 255 Seconds	
POWER	Type	DC-in 9~36V	
	Connector	M12 D-code	
OS SUPPORT	Microsoft	Windows 10 IoT Enterprise 64-bit Windows 11 IoT Enterprise LTSC 2024	
	Linux	Linux	
MECHANISM	Mounting	Wall mount	
	Dimensions (W x H x D)	239.24 x 194 x 101 mm	
	Weight	TBD	
ENVIRONMENT	Operating Temperature	-20 to 70°C	
	Storage Temperature	-40 to 85°C	
	Relative Humidity	5 to 95% RH (non-condensing)	
STANDARDS AND CERTIFICATIONS	Construction	IP67/ IP69K enclosure	
	Shock	Operation shock test: Half Sine Wave 15G, 11ms, 3 Shock Per Axis	
	Vibration	Operation Vibration test: IEC 60068-2-64	
	Certifications	CE, FCC class A, ROHS, UKCA	

ORDERING INFORMATION

Model Name	Part Number	Processor	Memory down	Storage	USB 3.2	LAN	HDMI	2xCOM+2CAN bus	External Cable list		
									IP67 M12 4pin DC cable L=100mm	IP67 COM+ CAN cable L=300mm	M12 Lan cable L=300mm
ECX700-ADP2040A-i5	750-ECX7001-000G	i5-1245UE	8GB	256GB SSD	4	2	1	Y	Y	Y	Y
ECX700-ADP2040A-i7	750-ECX7001-100G	i7-1265UE									

OPTIONAL ITEMS

Optional Items	Part Number	Description
External USB cable	A81-001129-068G	IP67 USB Plug to USB Plug, 300mm
External HDMI cable	A81-026004-068G	IP67 HDMI Plug to HDMI Plug, 300mm

PACKING LIST

· 1 ECX700-ADP system unit
· 1 COMBO cable (for COM & CANBUS)
· 2 LAN cable
· 6 Dust cover (for antenna connector)
· 1 DC input cable