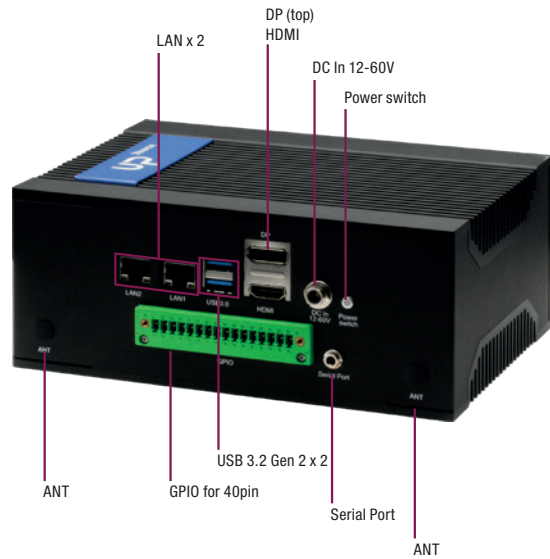
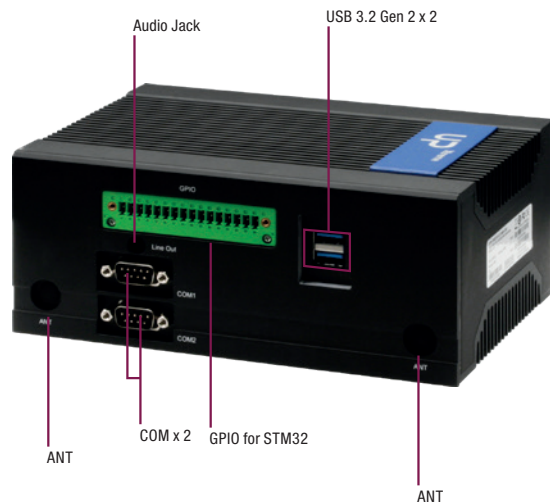


Front View



Rear View



Features

- Intel® WHL-U Core™ i7/i5/i3/Celeron Processor SoC
- Onboard DDR4 memory, Max 16GB
- eMMC 64GB
- HDMI 2.0 x 1 (Support 4K at 60 Hz)
- COM ports (RS-232/422/485) x 2
- 16pin GPIO connectors (1 x GPIO for STM32, 1 x GPIO for 40pin HAT)
- Audio Jack x 1 (line out + Mic)
- 12-60V DC-in
- Fanless Chassis design

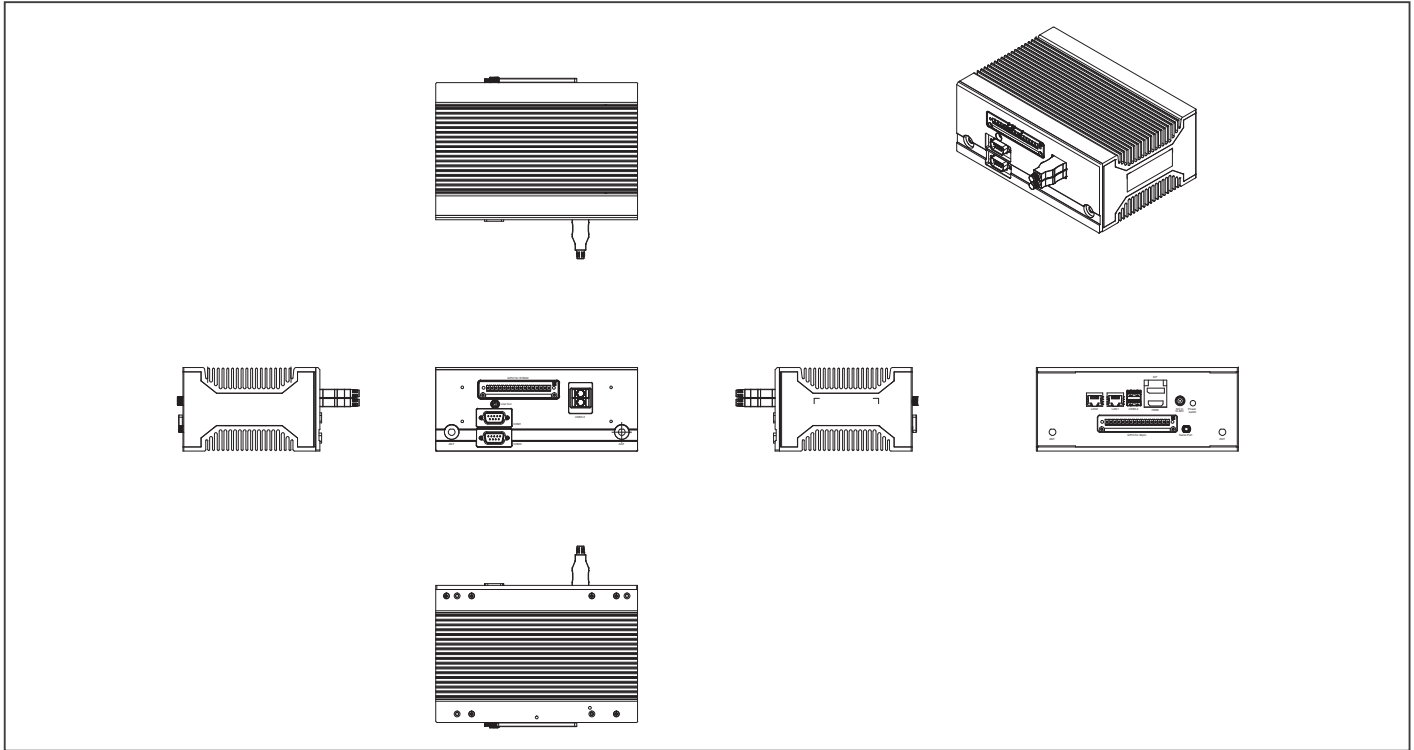


Specifications

System	
CPU	8th generation Intel® Core™ i7/i5/i3/Celeron Processor SoC
Memory	Onboard DDR4 memory, Max 16GB Single Channel: 4GB Dual Channel: 8GB, 16GB
Graphics	Intel® Graphics, GEN 9
Storage	eMMC 64GB
Ethernet	Intel® i210/i211(Default i210) x 1/ i219LM PHY x 1
WiFi/BT	Optional
Audio	Line out + MIC x 1
USB	USB 3.2 Gen 2 x 4
Expansion Slot	M.2 2230 E Key x 1 M.2 2280 B+M Key x 1 mPCIe slot x 1 100pin connector x 1 40 pin HAT x 1 SATA3 connector x 1 (support 2.5" HDD/SSD expansion)
I/O Placements	
Power	DC-in Jack x 1, Power Button x 1
USB	USB 3.2 Gen 2 STACK Connector for 2 ports (Front) x 1 USB 3.2 Gen 2 STACK Connector for 2 ports (Rear) x 1
Display Port	HDMI 2.0 x 1 (Support 4K at 60 Hz), DP 1.2 x 1, 16pin GPIO connectors (1 x GPIO for SMT32, 1 x GPIO for 40pin HAT)
Ethernet	RJ45 connector x 2
COM	RS-232/422/485 x 2
Environment	
Power	12V - 60VDC
Form Factor	7.48" x 5.12" x 3.1" (190mm x 130mm x 78.6mm)
Gross Weight	6.61lbs (3kg)
Operating Temperature	eMMC: -32°F ~ 158°F (0°C ~ 70°C) SATA: -4°F ~ 158°F (-20°C ~ 70°C)
Operating Humidity	0% ~ 90% relative humidity non-condensing
Certification	CE/FCC Class A, RoHS Compliant, REACH
OS Support	Win 10, Linux Ubuntu 18.04 with Kernel 5.0, Linux Yocto 2.7 with Kernel 4.19

Dimension

Unit: mm



Ordering Information

Part number	CPU	RAM	Storage	LAN	USB	RS-232/422/485	Power	Operation Temp.	Others
UPX-EDGEI7-A10-1664-F01	Core™ i7-8665UE	16GB	64GB	GbE x 2	USB 3.2 Gen 2 x 4	2	12-60V	-4°F ~ 158°F (-20°C ~ 70°C)	—
UPX-EDGEI5-A10-0864-F01	Core™ i5-8365UE	8GB	64GB	GbE x 2	USB 3.2 Gen 2 x 4	2	12-60V	-4°F ~ 158°F (-20°C ~ 70°C)	—
UPX-EDGEI3-A10-0864-F01	Core™ i3-8145UE	8GB	64GB	GbE x 2	USB 3.2 Gen 2 x 4	2	12-60V	-4°F ~ 158°F (-20°C ~ 70°C)	—
UPX-EDGEICR-A10-0464-F01	Celeron® 4305UE	4GB	64GB	GbE x 2	USB 3.2 Gen 2 x 4	2	12-60V	-4°F ~ 158°F (-20°C ~ 70°C)	—
UPX-EDGEI7C-A10-1664-F01	Core™ i7-8565U	16GB	64GB	GbE x 2	USB 3.2 Gen 2 x 4	2	12-60V	-4°F ~ 158°F (-20°C ~ 70°C)	—
UPX-EDGEI7-A10-1664-FX1	Core™ i7-8665UE	16GB	64GB	GbE x 2	USB 3.2 Gen 2 x 4	2	12-60V	-4°F ~ 158°F (-20°C ~ 70°C)	With foundation kit image preload, AI Core X 2280
UPX-EDGEI5-A10-0864-FX1	Core™ i5-8365UE	8GB	64GB	GbE x 2	USB 3.2 Gen 2 x 4	2	12-60V	-4°F ~ 158°F (-20°C ~ 70°C)	With foundation kit image preload, AI Core X 2280
UPX-EDGEI3-A10-0864-FX1	Core™ i3-8145UE	8GB	64GB	GbE x 2	USB 3.2 Gen 2 x 4	2	12-60V	-4°F ~ 158°F (-20°C ~ 70°C)	With foundation kit image preload, AI Core X 2280
UPX-EDGEICR-A10-0464-FX1	Celeron® 4305UE	4GB	64GB	GbE x 2	USB 3.2 Gen 2 x 4	2	12-60V	-4°F ~ 158°F (-20°C ~ 70°C)	With foundation kit image preload, AI Core X 2280

Packing List

- VESA Kit
- DIN-RAIL Kit
- SATA cable
- Screw packs
- UPX-EDGE

Optional Accessories

- **125530065A**
19Vdc/3.42A.65W power adapter
- **1702031830**
Power cord for USA
- **9741364A00**
Wireless LAN Kit M.2 2230 802.11ac/a/b/g/n + BT4.0,2T2R, with 2 sets of cable & antenna (Enli,QCNFA364A)
- **PER-TAIX2-A20-2280**
AI Core XM 2280.N/A.M.2 2280 B+M key card. with Dual Myriad X
- **9741159H00**
(TF)Wireless LAN kit.IEEE 802.11.b/g/n.w/ BT 4.0/3.0.(AzureWave.AW-NB159H).w/ cable.&antenna (mini card)
- **9741EC25E0**
(TF)PCIe mimi card.4G LTE.module kit .for Europe.W/Cable & antenna.Quectel EC25-E