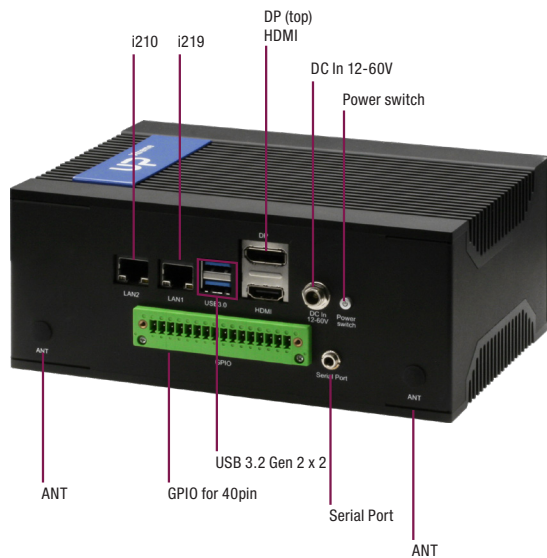


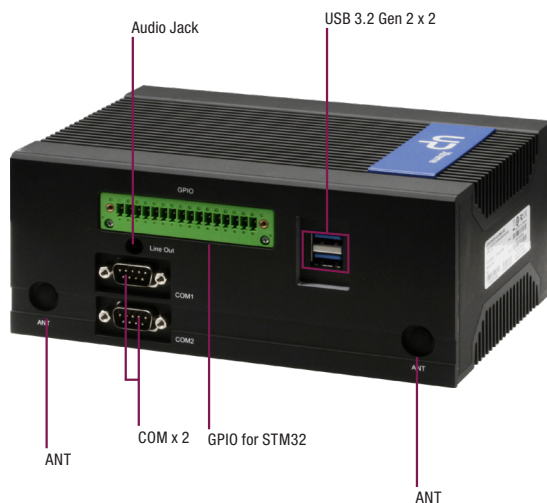
UPX-Edge

UP Xtreme Edge Computing System

Front View



Rear View



Features

- 8th Gen Intel® Core™/Celeron® Processor SoC
- Onboard DDR4 Memory, Max 16GB
- eMMC 64GB
- HDMI 2.0 x 1 (Supports 4K @60Hz)
- COM x 2 (RS-232/422/485)
- 16-pin GPIO Connectors (GPIO x 1 for STM32, GPIO x 1 for 40-pin HAT)
- Audio Jack x 1 (Line out + Mic)
- 12V~60V DC-in
- Fanless Chassis design



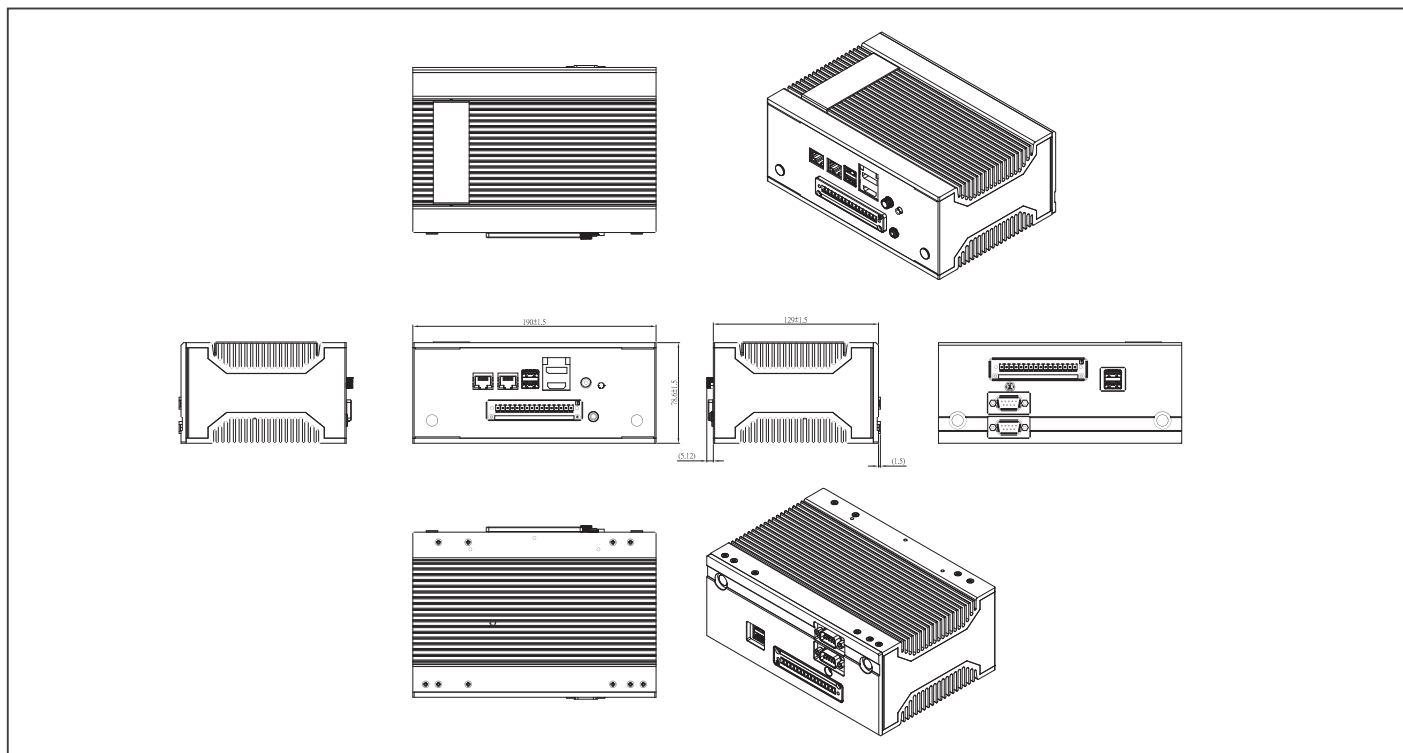
Specifications

System	
CPU	8th Gen Intel® Core™/Celeron® Processor SoC Intel® Core™ i7-8665UE Intel® Core™ i5-8365UE Intel® Core™ i3-8145UE Intel® Celeron® 4305UE
Memory	Onboard DDR4, up to 16GB Single Channel: 4GB Dual Channel: 8GB, 16GB
Graphics	Intel® UHD Graphics
Storage	Onboard eMMC, 64GB M.2 2280 M-Key x 1 SATA 6Gb/s x 1 Mini Card mSATA x 1
Ethernet	i7/i5 SKU: Intel® I210-AT x 1, Intel® I219-LM x 1 i3/Celeron® SKU: Intel® I210-AT x 1, Intel® I219-V x 1
WIFI/BT	Optional with M.2 2230 E-key x 1
Expansion Slot	40-pin GPIO x 1 M.2 2230 E-Key x 1 M.2 2280 M-Key x 1 SATA 6Gb/s x 1 mPCIe Slot x 1 100-pin Connector x 1
Security	—
OS Support	Microsoft Windows 10 Linux Ubuntu 22.04 Linux Yocto 3.1
I/O Placements	
USB	USB 3.2 Gen 1 x 4
Display Port	HDMI 2.0 x 1 DP 1.2 x 1 eDP x 1 CEC support with STM32 on HDMI x 1
Ethernet	RJ45 x 2
COM	RS-232/422/485 x 2
Audio	Audio Jack x 1 (Mic-in+Line-out)
GPIO	16-pin terminal block connector x1
Power Supply	
Power requirement	12V - 60V DC-in (Lockable plug)
Power supply type	—
Power Consumption(Typical)	31.8W
Mechanical	
Mounting	—
Dimensions (WxHxD)	7.48" x 5.08" x 3.09" (190mm x 129mm x 78.6mm)
Net Weight	—
Gross Weight	6.61lbs (3kg)
Environment	
Operating Temperature	eMMC: 32°F ~ 140°F (0°C ~ 60°C) SATA: -4°F ~ 158°F (-20°C ~ 70°C) With AI module: 32°F ~ 140°F (0°C ~ 60°C)
Operating Humidity	0% ~ 90% relative humidity, non-condensing
Storage Temperature	—
MTBF	350,049 Hours
Certification	CE/FCC Class A, RoHS Compliant, REACH

Note: All specifications are subject to change without notice.

Dimension

Unit: mm



Packing List

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

Ordering Information

Part number	CPU	MEMORY	STORAGE	HEATSINK	OTHERS
UPX-EDGECR-A10-0464-F01	Intel® Celeron® 4305UE	4GB	64GB	FANLESS	—
UPX-EDGECR-A10-0464-FX1	Intel® Celeron® 4305UE	4GB	64GB	FANLESS	W/ foundation kit image preload, AI Core X 2280
UPX-EDGEI3-A10-0864-F01	Intel® Core™ i3-8145UE	8GB	64GB	FANLESS	—
UPX-EDGEI3-A10-0864-FX1	Intel® Core™ i3-8145UE	8GB	64GB	FANLESS	W/ foundation kit image preload, AI Core X 2280
UPX-EDGEI5-A10-0864-F01	Intel® Core™ i5-8365UE	8GB	64GB	FANLESS	—
UPX-EDGEI5-A10-0864-FX1	Intel® Core™ i5-8365UE	8GB	64GB	FANLESS	W/ foundation kit image preload, AI Core X 2280
UPX-EDGEI7-A10-1664-F01	Intel® Core™ i7-8665UE	16GB	64GB	FANLESS	—
UPX-EDGEI7-A10-1664-FX1	Intel® Core™ i7-8665UE	16GB	64GB	FANLESS	W/ foundation kit image preload, AI Core X 2280

Optional Accessories

Part Number	Description
125530065A	19Vdc/3.42A.65W power adapter
1702031830	Power cord for USA
9741364A00	(TF).M.2 2230 Wireless.802.11 ac/a/b/g/n + BT 5.0.2T2R,Enli QCNFA364A.w/2 sets of cable and antenna
9741159H00	(TF)Wireless LAN kit.IEEE 802.11 b/g/n.w/BT 4.0/3.0.(AzureWave.AWNB159H). w/cable.& antenna (mini card)
PER-TAIX2-A10-2280	AI Core XM 2280.M.2 2280 B+M key card.with Dual Myriad X.15 mm heat sink with FAN

Mouser Electronics

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