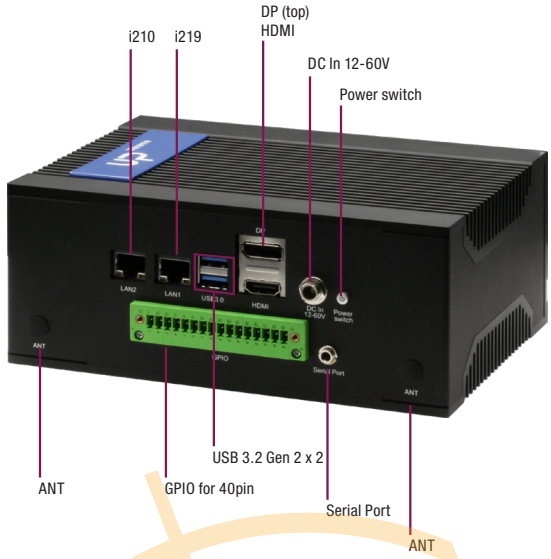
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UPX-Edge

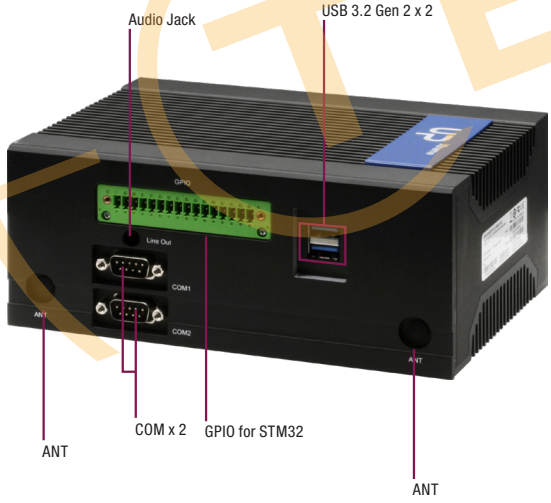
UP Xtreme Edge Computing System

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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

HDMI DDR 4 USB 3.2 Gen 2 PCI Express Audio CE FC

Specifications

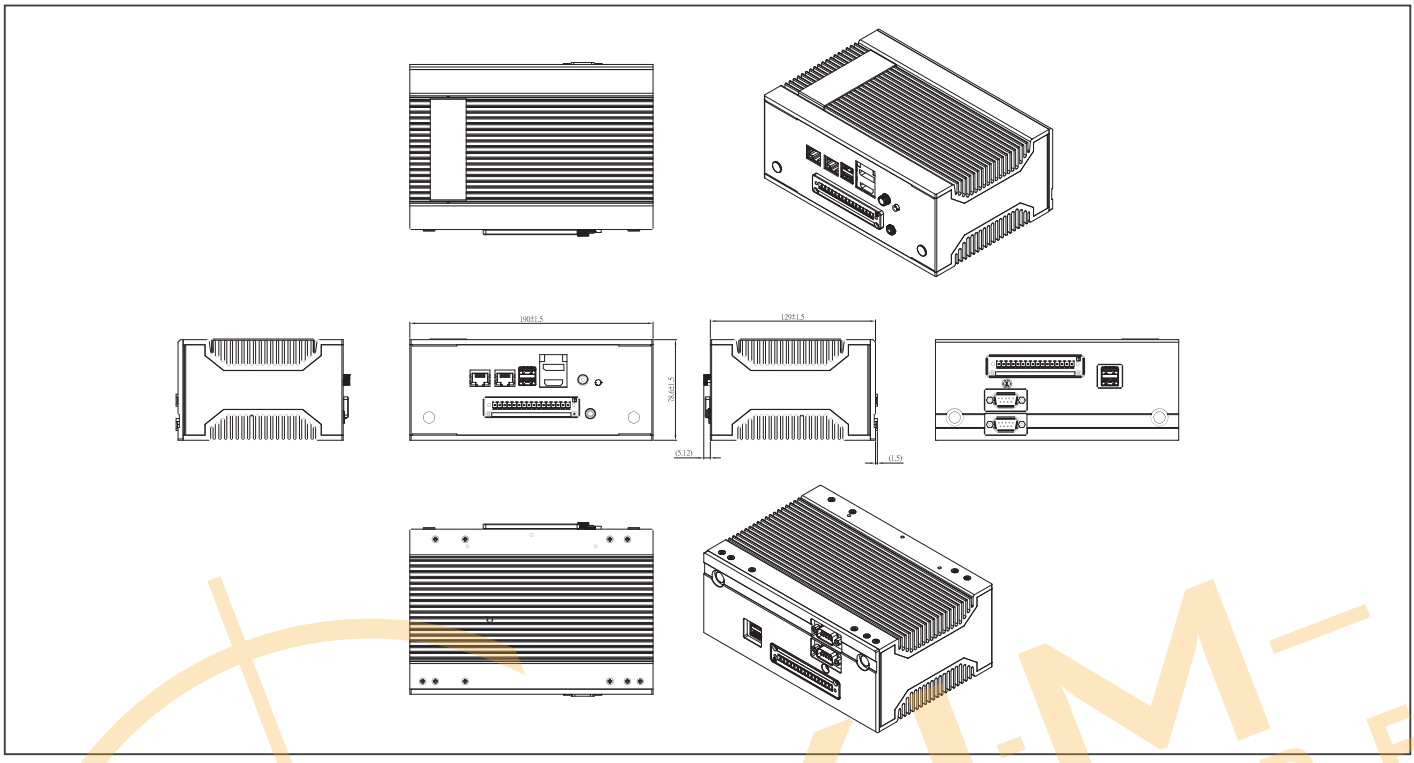
System	
CPU	8th Gen Intel® Core™/Celeron® Processor SoC Intel® Core™ i7-8665UE Intel® Core™ i5-8365UE Intel® Core™ i3-8145UE Intel® Celeron® 4305UE
Memory	Onboard DDR4, up to 16GB Single Channel: 4GB Dual Channel: 8GB, 16GB
Graphics	Intel® UHD Graphics
Storage	Onboard eMMC, 64GB M.2 2280 M-Key x 1 SATA 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.

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Dimension

Unit: mm



Packing List

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

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

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

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Parameters provided in datasheets and / or specifications may vary in different applications and performance may vary over time.

All operating parameters, including typical parameters, must be validated for each customer application by the customer’s technical experts.

Please contact us if you have any questions about the contents of the datasheet.

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