

Item no.: 348761

UPN-EDGE-EHLX4RE-A10-0864 - UP Squared 6000 Edge Atom Quad Core 08/64

from **538,72 EUR**

Item no.: 348761
shipping weight: 1.10 kg
Manufacturer: UP Bridge the Gap



Product Description

UPN-EDGE-EHLX4RE-A10-0864 - UP Squared 6000 Edge Atom Quad Core 08/64

UP Squared 6000 Edge with Atom x6425RE, 8 GB RAM, 64 GB eMMC.A1.0.

UP Squared 6000 Edge (UPN-EDGE-EHL) is the newest addition to AAEON's extensive UP Squared Pro Edge lineup. Based on the latest Intel® Atom® x6000E series, UP Squared 6000 offers up to 1.7x faster CPU speeds and twice the performance for 3D graphics compared to previous generation Intel processors.

Built for automation, robotics, and industrial applications, UP Squared 6000 Edge offers a range of industrial features such as Time-Sensitive Networking (TSN), Time-Coordinated Computing (TCC), in-band ECC, onboard TPM 2.0, and an additional carrier board to unlock PSE applications.

UP Squared 6000 brings 5G connectivity, a flexible I/O loadout, and powerful computing to an impressive power-efficient platform. With more expandability, flexibility, and industrial features than ever before, the UP Squared 6000 Edge brings edge computing to the next level.

System Level Specs

- SoC: Intel Atom® x6425RE (1.90 GHz)
- # of cores: 4
- Graphics: Intel® UHD Graphics
- VPU: Optional (via M.2 2280)
- Memory: 8 GB
- eMMC/storage: 64 GB
- BIOS: UEFI
- RTC: Yes
- Wake-on-LAN (WoL): Yes
- Watchdog timer: Yes
- PXE: Yes
- Compatible OS: Windows 10/10 IoT Core, Linux: Ubuntu 20.04, Yocto 3.1
- Pre-installed OS: Optional
- Power requirement: 12 V (with +/- 5% tolerance)
- Power supply type: AT (default)/ATX
- Power consumption (typical): 38 Watt
- Dimensions: 207 x 174 x 121 mm

Display

- HDMI: 1x (HDMI 2.0b)
- Display port: 1x DP 1.2

I/O

- Audio: 1x mic-in, 1x line-out
- USB 3.2 (type A): 2x USB 3.2 Gen2 type A (STACK connector)
- USB 3.2 (type C): 1x USB 3.2 Gen2 type C (OTG support)
- Serial port: 1x RS232/422
- HDD interface: 1x SATA with power connector
- Expansion slot: 1x M.2 2280 M Key (supports NVMe SSD), 1x M.2 2230 E Key, 1x M.2 3052 B Key
- 40-pin GP-bus: 1
- SIM slot: Yes
- Others: TPM2.0 on board

Connectivity

- Ethernet: 1x 1 GbE RJ-45 (Intel I210-IT), 1x 1/2.5 GbE (Intel I225-IT), both support TSN
- WiFi: Optional (via. M.2 2230)
- Bluetooth: Optional (via. M.2 2230)
- LTE/4G/5G: Optional (via. M.2 3052)

Cooling

- Cooling: Passive cooling (fanless)

Environment

- Operation temperature: 32°F ~ 140°F (0°C ~ 60°C)
- Storage temperature: -40°F ~ 176°F (-40°C ~ 80°C)
- Operation humidity: 0% ~ 90% relative humidity, non-condensing
- Certification: CE/FCC Class A, RoHS

Accessories

- Accessories: 1x RTC battery, 1x passive heatsink

Package

- Net weight: 830 g
- Package dimension (L x W x H): 207 x 174 x 121 mm
- Gross weight: 1050 g

Specifications

**Scan this QR code to
view the product**
All details, up-to-date
prices and availability

