

Item no.: 331241

## RE-UPX-EDGEI7-A10-1664-FX1 - UP Xtreme Edge Compute Enabling Kit with UP AI Core XM 2280

from **1.759,35 EUR**

Item no.: 331241  
shipping weight: 0.20 kg  
Manufacturer: UP Bridge the Gap



### Product Description

RE-UPX-EDGEI7-A10-1664-FX1 - UP Xtreme Edge Compute Enabling Kit with UP AI Core XM 2280

UP Xtreme Edge Compute Enabling Kit, powered by the 8th Generation Ultra-Low Power Intel(R) Core(TM) i7 CPU, is designed to boost your AI on the Edge solution. With a measure of 190 x 129 x 78.6 mm, the fanless system delivers a comprehensive set of features and I/O which allows you to reach astonishing performance. Ubuntu image pre-loaded.

UP Xtreme Edge Compute Enabling Kit will be added to the UP Edge Compute fleet as one of the fully certified AI and IoT ready edge computing systems. The system is designed to run at operating temperature from -20°C to ~70°C and accommodates 2x Myriad X via M.2280 interface with AI Core XM2280 without heatsink (included). It is also possible to add connectivity such as Wi-Fi, Bluetooth and LTE. [List of content:](#)

- UP Xtreme Edge Compute Enabling Kit
- 19 V power supply
- 1x US power cord + 1x EU power cord
- Thermal block for AI Core XM2280 without heatsink (AI Core XM 2280 included)
  
- UP board version: UP Xtreme
- SoC: Intel(R) 8th Generation Core(TM) i7-8665UE
- VPU: Optional by adding AI Core XM2280, powered by 2x Intel(R) Movidius(TM) Myriad(TM) X
- Graphics: Intel(R) UHD Graphics 620
- FPGA: Intel(R) FPGA Altera MAX 5
- System memory: Onboard dual-channel DDR4 memory, 16 GB
- Storage capacity: 64 GB eMMC
- USB 3.0 port: 4x
- Serial port: 2x RS-232/485/422
- I/O: Phoenix 1: 3V3, 5V, GND, I2C, GPIO x8, PWM x2; Phoenix 2: 3V3, GND, I2C, GPIO, CAN RS & TX, ADC x7
- Ethernet: 2x Gb Ethernet (full speed) RJ-45
- Connectivity: Optional: Wi-Fi + Bluetooth (via M.2 2230) - Intel(R) AC9260 card; LTE (via mPCIe) - Quectel EG-25G
- WOL: Yes
- Video output: HDMI+DP
- CEC: 1x
- Power input: 12-60 V DC
- Operating temperature: -20°C ~ 70°C
- RTC: Yes
- PXE: Yes
- mPCI-e: 1x
- M.2 2230 E-key: 1x
- M.2 2280: 1x (B+M key)
- Supported frameworks: TensorFlow, Caffe
- SATA: 1x
- Compatible operating system: Microsoft Windows 10 full version, Linux (ubinux, Ubuntu, Yocto)
- Operating humidity: 10% ~ 80% RH non-condensing
- Certificate: CE/FCC Class A, RoHS compliant, Microsoft Azure certified
- Dimension: 190 x 129 x 78.6 mm (7.48" x 5.07" x 3.09")

### Specifications

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

