Item no.: UPS-GWS01P4F-A20-086

UPS-GWS01P4F-A20-0864 - Tiny Gateway System with UP Squared

from **483,22 EUR**

Item no.: UPS-GWS01P4F-A20-086
shipping weight: 0.50 kg
Manufacturer: UP Bridge the Gap

📄 Product Description

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The UP Squared system is a complete system package featuring the powerful and fast UP Squared maker board. Designed for easy deployment in embedded applications from industrial automation to IIoT and AIoT, the UP Squared system brings high-performance in a low-power compact solution.

UP Squared is powered by Intel(R) Apollo Lake processors, delivering high performance at minimum power consumption. Its small size also makes it perfect for use in mobile applications including drone operations. UP Squared offers flexible OS support including Windows 10, Linux and Android.

UP Squared supports the AI Core X mPCIe module, which features Intel Movidius Myriad X. With speeds up to 105 fps (80 typical) and 1 trillion floating point operations, adding on the AI Core X to UP Squared creates a powerful, compact AI Edge solution. UP Squared with AI Core X has proven real-world performance, used by AAEON partners in applications from license plate recognition to drone-based visual inspections.

System Level Specifications

- SoC: Intel(R) Pentium(TM) N4200 (up to 2.5 GHz)
- # of cores: 4
- Graphics: Intel(R) HD Graphics 505
- Memory: 8 GB
- eMMC: 64 GB
- BIOS: UEFI
- RTC: Yes
- Wake On LAN (WoL): Yes
- Watchdog timer: Yes
- PXE: Yes
- Compatible OS: Microsoft Windows 10 full version, Linux (ubilinux, Ubuntu, Yocto), Android
- Power requirement: 5 V DC-in (at) 6 A, 5.5/2.1 mm jack
- Power supply type: AT (default)/ATX
- Power consumption (typical): 18 Watt
- Dimensions: 95 x 95 x 50 mm
- MTBF (hours): 173,446 hours

Display

- HDMI: 1x (HDMI 1.4b)
- Display port: 1x (DP 1.2) 4K (at) 60 Hz

I/O

- USB 2.0 type A: 2x
- USB 3.0 type A: 3x
- USB 3.0 OTG Micro B: 1x
- SIM slot: Yes

Connectivity

- Ethernet: 2x GbLAN (RealTek RTL8111G-CG)
- WiFi: Optional (via. M.2 2230)
- Bluetooth: Optional (via. M.2 2230)
- LTE/4G: Optional (via. mPCIe)

Cooling

- Cooling: Passive cooling (fanless)

Environment

- Operation temperature: 32°F ~ 104°F (0°C ~ 40°C)
- Storage temperature: -40°F ~ 176°F (-40°C ~ 80°C)
- Operation humidity: 0% ~ 90% relative humidity, non-condensing

Specifications

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