

Item no.: 351141

UP-CHT01-A20-0116-B10 - UP board with z8350 CPU, 1GB RAM+16GB eMMC, B10 version

from **137,13 EUR**

Item no.: 351141
shipping weight: 0.50 kg
Manufacturer: UP Bridge the Gap



Product Description

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UP is a credit card size board with the high performance and low power consumption features of the latest tablet technology: the Intel(R) Atom(TM) x5 Z8350 processors (code name Cherry Trail) 64 bits up to 1.92 GHz. The internal GPU is the new Intel Gen 8 HD 400 with 12 execution units up to 500 MHz to deliver extremely high 3D graphic performance. UP is equipped with 1 GB DDR3L RAM and 16 GB eMMC.

UP has 40-pin general purpose bus which provides the freedom to makers to build up their shield. There are more interfaces available, such as 4x port USB 2.0 on connectors, 2x port USB 2.0 + 1x UART on header, 1x USB 3.0 OTG, 1x Gbit Ethernet (full speed), 1x DSI/eDP port, 1x camera (MIPI-CSI), 1x HDMI, RTC.

When it comes to security, UP has Intel security features needed for professional IoT applications such Intel AES New Instructions and Intel Identity Protection Technology.

Its UP to you to choose which operation system is best for your application. The CPU is supported by Android 6. Marshmallow, Microsoft Windows 10 and Linux through the UP Community.

UP has a standard industrial PC operating temperature range of 32°F - 140°F/0°C - 60°C, which makes it flexible for many applications.

UP is perfect for professional makers.

- Processor: Intel® Atom™ x5-Z8350 processor SoC
- Graphics: Intel® HD 400 Graphics, 12 EU GEN 8, up to 500 MHz support DX*11.1/12, Open GL*42, Open CL* 1.2 OGL ES3.0, H.264, HEVC (decode), VP8
- I/O: 1x HDMI, 1x I2S audio port
- Camera: MIPI-CSI (4 megapixel)
- USB: 4x USB 2.0, 2x USB 2.0 pin header (10 pins in total), 1x USB 3.0 OTG
- Expansion: 40-pin general purpose bus, supported by LATTICE MachXO2
- RTC: Yes
- Power: 5 V DC-in @ 4 A, 5.5/2.1 mm jack
- Dimensions: 3.37" x 2.22" (85.6 x 56.5 mm)
- Memory: 1 GB DDR3L-1600
- Storage: eMMC 16 GB
- Display interface: DSI/eDP
- Ethernet: 1x Gb Ethernet (full speed) RJ-45
- OS support: Win 10; Linux (ubinux, Ubuntu, Yocto)
- Operating temperature: 32°F ~ 140°F (0°C ~ 60°C)
- Operation humidity: 10% ~ 80% relative humidity, non-condensing
- Certification: CE/FCC Class A, RoHS compliant

Specifications

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

