

Item no.: UP-CHT01-A20-0116-A1

## UP-CHT01-A20-0116-A11 - UP board with z8350 CPU, 1 GB RAM + 16 GB eMMC, passive heatsink

from **169,63 EUR**

Item no.: UP-CHT01-A20-0116-A1  
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.

- SOC: Intel(R) Atom(TM) x5-Z8350 processor (2M cache, 1.44 GHz up to 1.92 GHz) CPU with 64 bit architecture; quad core
- Graphics: Intel(R) HD 400 Graphics, 12 EU GEN 8, up to 500 MHz; Supports DX\*11.1/12, Open GL\*4.2, Open CL\*1.2 OGL; ES3.0, H.264, HEVC (decode), VP8
- Video & audio: HDMI 1.4b; I2S audio port
- Camera interface: CSI (4 Megapixel)
- USB 2.0: 4x USB 2.0; 2x USB 2.0 pin header (10 pins in total)
- RTC: Yes
- Power: 5 V DC-in (at) 4 A 5.5/2.1 mm jack
- Dimensions: 3.37" x 2.22"/85.60 mm x 56.5 mm
- Operating humidity: 10% ~ 80% RH non-condensing
- Memory: 1 GB DDR3L-1600
- Storage capacity: 16 GB eMMC
- Display interface: DSI/eDP
- Ethernet: 1x Gb Ethernet (full speed) RJ-45
- USB 3.0: 1x USB 3.0 OTG
- Expansion: 40-pin general purpose bus, supported by Altera; Max V. ADC 8-bit (at) 188 ksos
- Compatible operating system: Microsoft Windows 10 full version; Linux (ubinux, Ubuntu, Yocto); Android Marshmallow
- Operating temperature: 32°F - 140°F/0°C ~ 60°C
- Certificate: CE/FCC Class A, RoHS compliant; Microsoft Azure certified, REACH

### Specifications

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

