

Item no.: UPC-CHT01-A20-0216-A

## UPC-CHT01-A20-0216-A11 - UP Core 2 GB + 16 GB eMMC memory

from **149,87 EUR**

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shipping weight: 0.10 kg

Manufacturer: UP Bridge the Gap



### Product Description

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UP Core is a miniature 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 Core is equipped with 2 GB DDR3L RAM and 16 GB eMMC.

With 100-pin docking connector, UP Core provides the freedom to makers to build up

their carrier board. There are more interfaces available, such as 2x port USB 2.0 + 1x UART on header, 1x USB 3.0 host, Wi-Fi, Bluetooth 1x DSI/eDP port, 2x camera (MIPI-CSI), 1x HDMI, RTC.

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

- SOC: Intel(R) Atom(TM) x5-Z8350 (2 MB cache, up to 1.84 GHz)
- Graphics: Intel(R) HD 400 Graphics
- Memory: 2 GB onboard DDR3L-1600
- Storage capacity: 16 GB eMMC
- Video & audio: 1x HDMI; 1x Full eDP; Audio via HDMI and I2S (from docking)
- Camera interface: 1x MIPI-CSI 2 lane; 1x MIPI-CSI 4 lane
- Power: 5 V DC-in (at) 4 A 5.5/2.1 mm jack
- Operating humidity: 10% ~ 80% RH non-condensing
- Operating temperature: 32°F - 140°F/0°C ~ 60°C
- USB: 1x USB 3.0 host; 2x USB 2.0 pin header
- Wi-Fi/BT: Wi-Fi 802.11 b/g/n (at) 2.4 GHz; Bluetooth 4.0 (BLE)
- Expansion: Docking connector 100 pin
- Compatible operating system: Microsoft Windows 10 (full), Linux (ubilinux, Ubuntu, Yocto), Android Marshmallow
- Dimensions: 56.50 x 66 mm
- Certificate: CE/FCC Class A, RoHS compliant, REACH

### Specifications

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

