

specification

bridge the gap

USB3.0 OTG PAGE 18 A STATE OF THE PAGE 18 A S

UP is a credit card size board with the high performance and low power consumption features of the latest tablet technology: the Intel® Atom™ x5 Z8350 Processors (codename Cherry Trail) 64 bits up to 1.92GHz. The internal GPU is the new Intel Gen 8 HD 400 with 12 Execution Units up to 500MHz to deliver extremely high 3D graphic performance. UP is equipped with 2GB/4GB DDR3L RAM and 16GB/32GB 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 USB2.0** on connectors **+2x port USB2.0** on header, **1x USB 3.0 OTG, 1x Gbit Ethernet** (full speed), **1x DSI port, 1x Camera** (MIPI-CSI), **1x HMDI, 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**.

It's UP to you to choose which operation system is best for your application. The CPU is supported by **Android 5.0 Lollipop**, **Microsoft Windows 10** and we support and enable **Linux**, through our UP Community.

UP has a standard **industrial** PC **operating temperature** range of **32-104°F/0-60°C**, which makes it flexible for many applications.

UP is perfect for professional makers.

UP - Applications



Drones



Media Center



Education



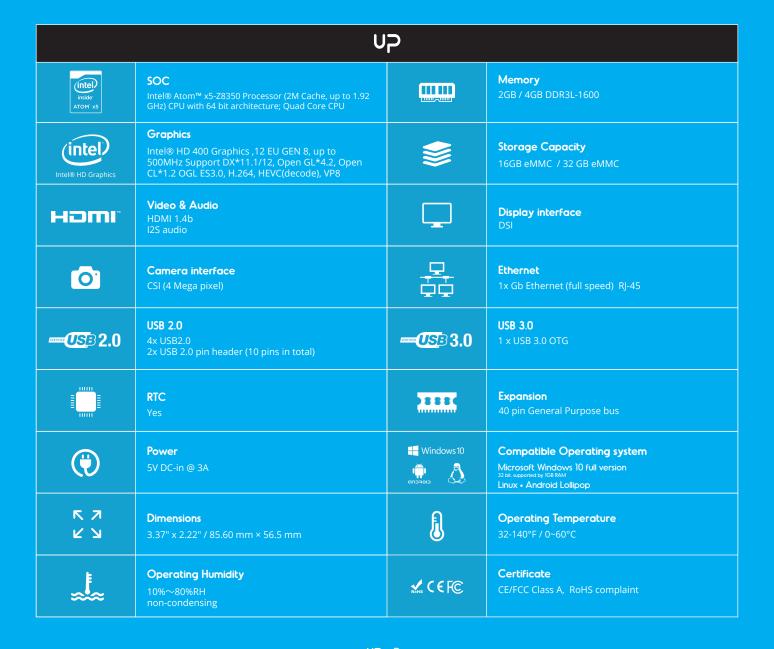
Internet of Things



Robotics



Home Automation





Part number :

 UP-CHT04 -A11-0002
 2GB RAM+16GB eMMC

 UP-CHT04 -A11-0003
 2GB RAM+32GB eMMC

 UP-CHT04 -A11-0004
 4GB RAM+32GB eMMC

Included accessories Optional accessories Heatsink
Power adapter
USB3.0 OTG cable
HDMI cable
DSI adapter cable