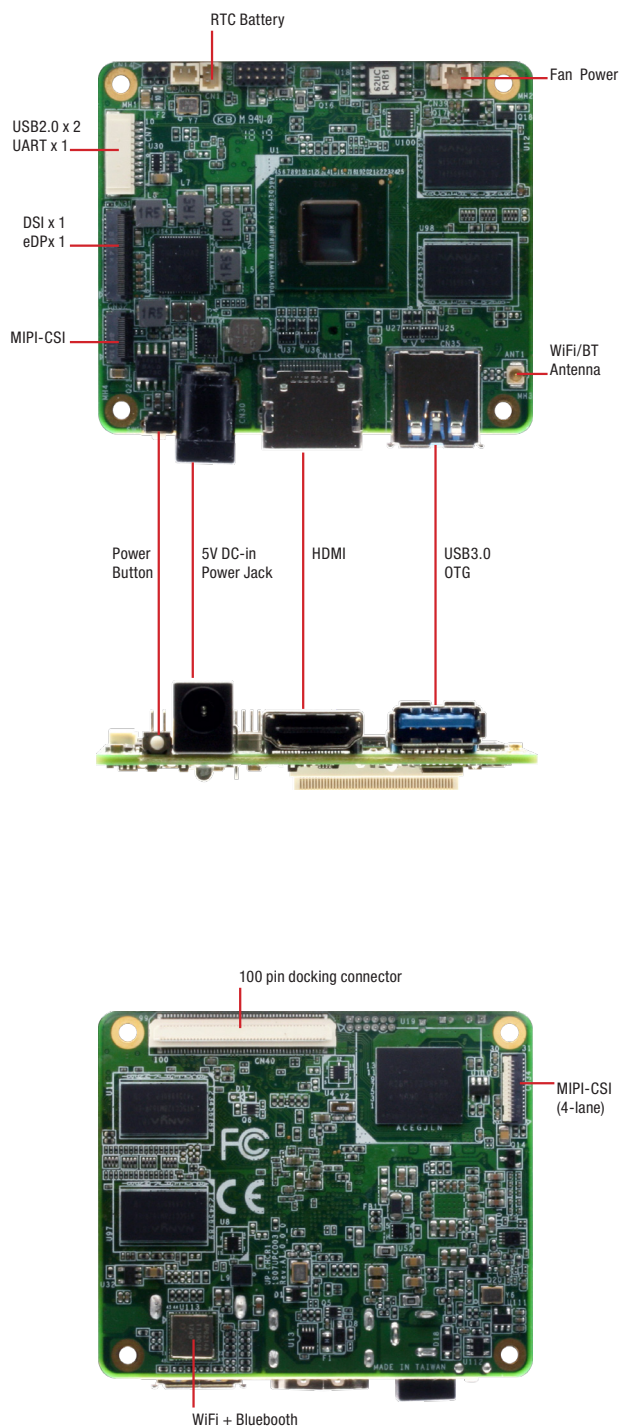


UP Core

UP Core Developer Board with Intel® Atom™ x5-Z8350 Processor SoC



Features

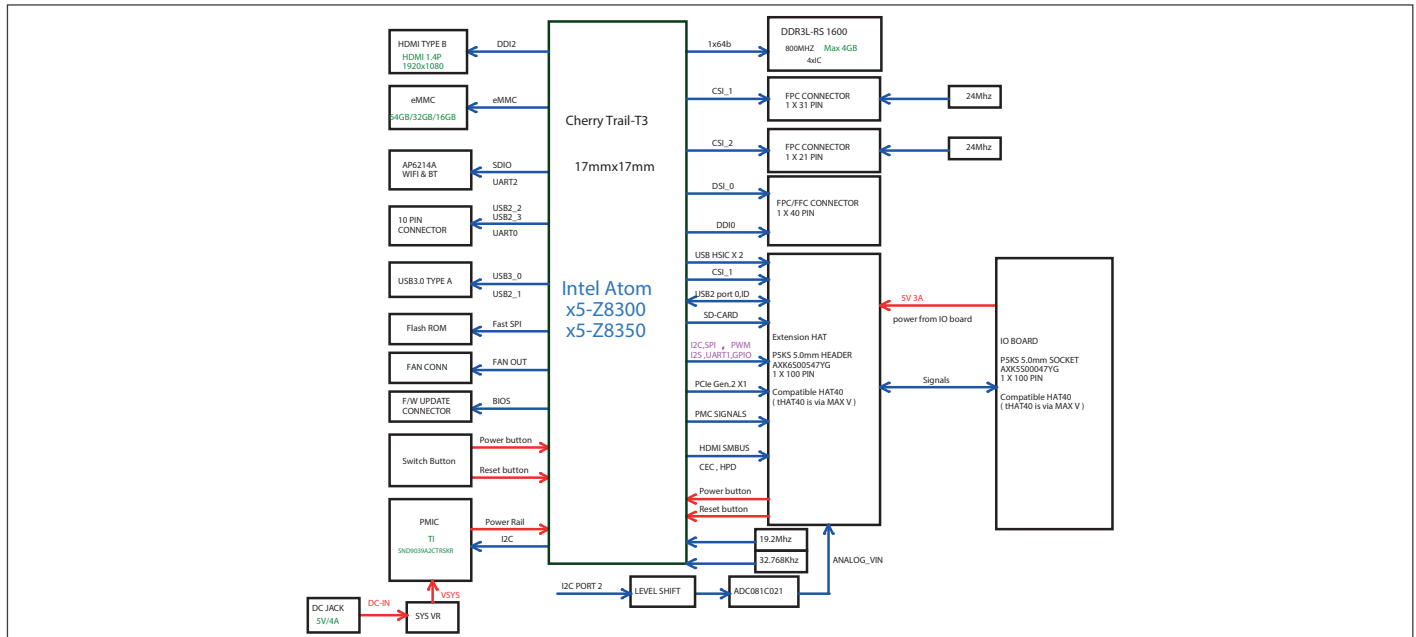
- Intel® Atom™ x5-Z8350 SoC
- Onboard DDR3L Memory up to 4GB
- Onboard eMMC Storage up to 64GB
- DSI/eDP x 1, HDMI x 1
- MIPI-CSI x 2
- 100pin docking connector
- WiFi+ Bluetooth
- USB3.0 x 1



Specifications

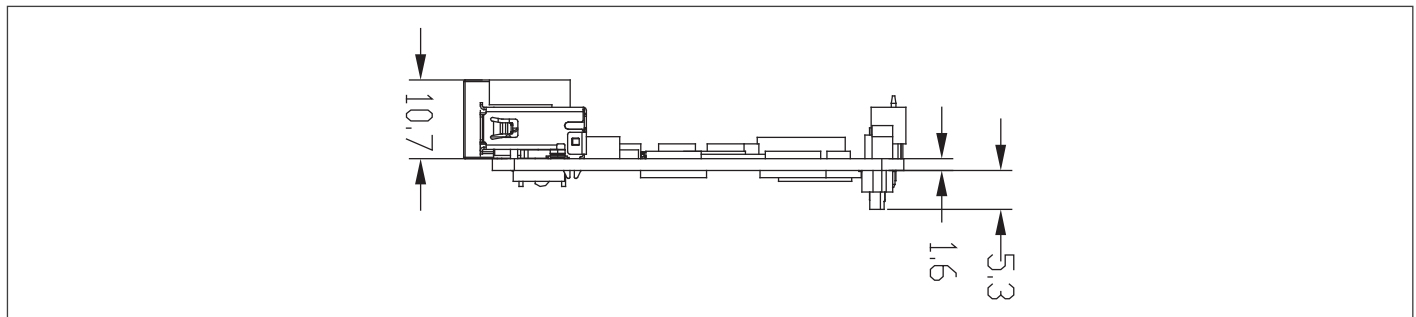
System	
Processor	Intel® Atom™ x5-Z8350 Processor SoC
Graphics	Intel® HD 400 Graphics
I/O	Full eDP x 1 HDMI x 1 Audio via HDMI and I2C (from docking)
Camera	MIPI-CSI (2 Lane) MIPI-CSI (4 Lane)
USB	USB 3.0 Host x 1 USB 2.0 pin header x 2
Expansion	100 pin docking connector
RTC	Yes
Power	5V DC-in @ 4A 5.5/2.1mm jack
Dimension	56.5 mm × 66 mm
Memory	2GB/ 4GB DDR3L-1600
Storage	eMMC 16GB / 32GB/ 64GB
Display Interface	DSI/eDP x 1
Ethernet	—
OS Support	Win 10 Linux (ublinux, Ubuntu, Yocto) Android Marshmallow
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, REACH

Block Diagram



Dimension

Unit: mm



Ordering Information

Part number	Description
UPC-CHT01-A20-0116-A11	UP Core with z8350 CPU, 1GB RAM + 16GB eMMC, passive heatsink, WIFI 802.11 b/g/n + Bluetooth 4.2 on board powered by AMPAK AP6214A
UPC-CHT01-A20-0216-A11	UP Core with z8350 CPU, 2GB RAM + 16GB eMMC, passive heatsink, WIFI 802.11 b/g/n + Bluetooth 4.2 on board powered by AMPAK AP6214A
UPC-CHT01-A20-0232-A11	UP Core with z8350 CPU, 2GB RAM + 32GB eMMC, passive heatsink, WIFI 802.11 b/g/n + Bluetooth 4.2 on board powered by AMPAK AP6214A
UPC-CHT01-A20-0432-A11	UP Core with z8350 CPU, 4GB RAM + 32GB eMMC, passive heatsink, WIFI 802.11 b/g/n + Bluetooth 4.2 on board powered by AMPAK AP6214A
UPC-CHT01-A20-0464-A11	UP Core with z8350 CPU, 4GB RAM + 64GB eMMC, passive heatsink, WIFI 802.11 b/g/n + Bluetooth 4.2 on board powered by AMPAK AP6214A

Packing List

- UPC-CHT01 with Heatsink