

UBX-310F

6th Generation Intel® Core™ U series Multiple I/Os Fanless Box PC



Features

- Intel Skylake-U Celeron-3955U/Core i3-6100U/Core i5-6300U
- DDR4-2133 MHz SO-DIMM memory support up to 16GB
- Advanced graphics engine with Inte HD 520
- Dual Display: VGA+HDMI
- Multiple I/O: 7 x USB, 2 x LAN, 4 x COM, 1 x RJ11
- Flexibility for expansion (Mini PCIe and M.2 2230/1630 E Key) and storage devices (2.5" SATA III HDD/SSD,m-SATA)
- Lockable DC jack design
- Flexibility for mounting : VESA,Wall/Desk



Introduction

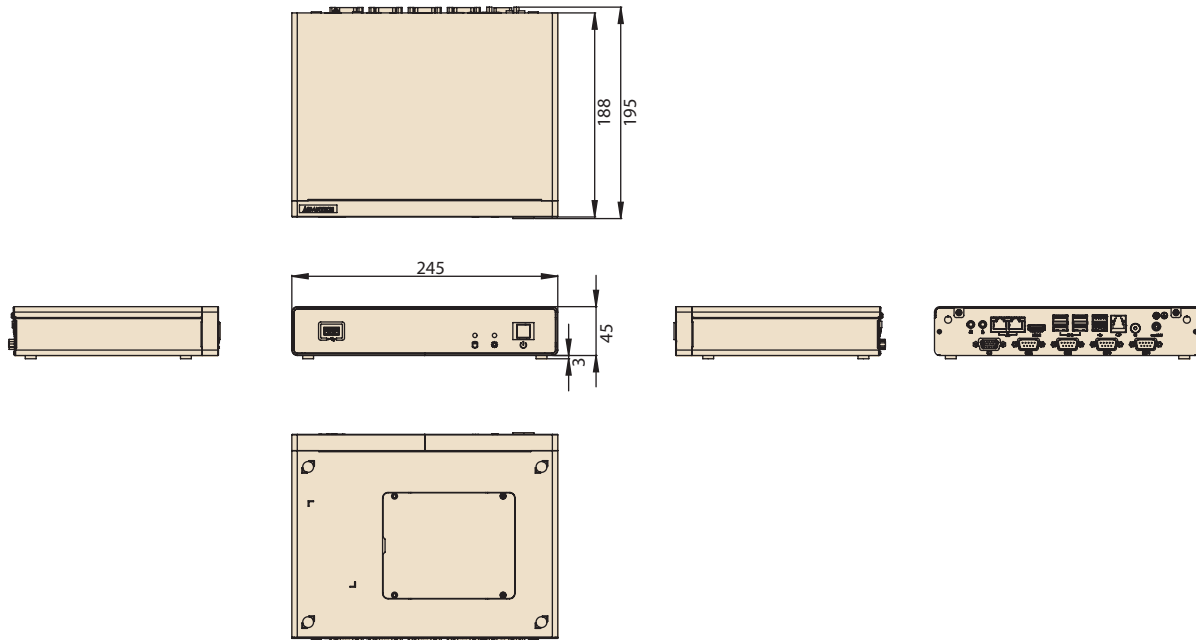
UBX-310F, an intelligent, fanless embedded system powered by the 6th generation Intel® Core i5/ i3/ Celeron low power processor with multiple I/O interface. These low-power platforms provide energy-efficient and environmentally responsible solutions, and serve applications targeted at factory automation, machine automation, retail, kiosks, and self-service applications.

Specifications

| | | UBX-310F-CLB00 | UBX-310F-I3B00 | UBX-310F-I5B00 |
|--------------------|----------------------------|---|----------------|----------------|
| Processor System | CPU | Celeron 3955U | Core i3 6100U | Core i5 6300U |
| | Speed | 2.0GHz | 2.3GHz | 2.4GHz |
| Memory | Technology | Single channel DDR4 2133MHz | | |
| | Max. Capacity | 16G | | |
| Graphics | Controller | Integrated Intel HD Graphics engine | | |
| | Multiple Display | Dual | | |
| | Interface | VGA+HDMI | | |
| Ethernet | LAN | 2 x RJ45, 10/100/1000 Mbps | | |
| Audio | Interface | Realtek ALC892, Line-out and Mic-in | | |
| I/O Interface | Serial Port | 4 x COM, COM1, COM2 support 5V or 12V power, COM 2 support RS232/422/485 by order | | |
| | USB | 3 x USB 2.0, 4 x USB 3.0 | | |
| | RJ11 | 1 x RJ11, cash drawer, 12V default, 24V buy order | | |
| Expansion | Mini PCIe | 2 x Full-size Mini PCIe | | |
| Storage | SATA | 1 x 2.5-inch SATA III HDD / SSD (7mm Height) | | |
| | mSATA | 2 x mSATA | | |
| Software Support | Microsoft Windows | Win7 x64/x86, Win8.1 x64, Win10 x64 | | |
| | Linux | By project support | | |
| Power Requirements | Power Type | ATX mode | | |
| | Power Input Voltage | 12 V _{DC} , ± 10% | | |
| | Power Adapter | AC to DC, DC12V / 5A, 60W | | |
| Mechanical | Construction | Steel | | |
| | Dimensions (W x H x D) | 245 x 45 x 185 mm | | |
| | Weight | 2.0 kg | | |
| Environment | Operating Temperature | With 2.5-inch hard disk 0 ~ 40° C (32 ~ 104° F) | | |
| | Storage Temperature | -40 ~ 85° C (-40 ~ 185° F) | | |
| | Relative Humidity | 90% @ 40° C (non-condensing) | | |
| | Vibration During Operation | With HDD: 0.5 Grms, IEC 60068-2-64, random, 5-500Hz, 3 axes, 1hr/axis | | |
| | Shock During Operation | With HDD: 10 G, IEC 60068-2-27, half sine, 11 ms duration | | |
| | EMC | CCC/BSMI/CE/FCC | | |
| | Safety | CCC/BSMI/CB/UL | | |

Dimensions

Unit: mm



Ordering Information

| Part No. | Description |
|----------------|---|
| UBX-310F-CLB00 | UBX-310, Intel Celeron 3955U, Fanless, Barebone |
| UBX-310F-I3B00 | UBX-310, Intel Core i3 6100U, Fanless, Barebone |
| UBX-310F-I5B00 | UBX-310, Intel Core i5 6300U, Fanless, Barebone |

Installation Accessory

| Part No. | Description |
|--------------------|--|
| HIP-33B-MOUNT1E | VESA MOUNT |
| 96CB-POWER-B-1.8M1 | Power Cord (China) , 3P 1.8M, BK(CCC) |
| 17AP164900518011 | Power Cord CEE 7/16+C13 L1.8M (CE) |
| 1700013977 | Power Cord 10A 250V 3P 180/90 CCC 200cm (CCC) |
| 1702002600 | Power Cord 3P UL/CSA(USA) 125V 10A 1.83M 180D |
| 1700020098 | Power Cord 3P 10A 250V 183CM (Australian) |
| 1702002605 | Power Cord 2P FRANCE 10A/16A 220V 1.83M 90D (EU) |
| 1700001714 | Power Cord BSMI 3P 7A 125V 18AWG 180CM (BSMI) |
| 1700000237 | Power Cord 3P PSE 12A 125V 1.83M (Japan) |
| 1700018704 | Power Cord BSI 2P 10A 250V 180cm (UK) |

Fully- Integrated I/O

