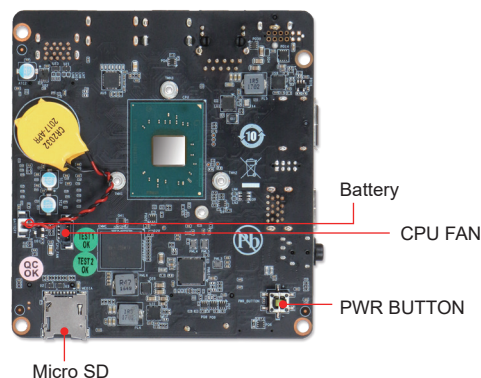
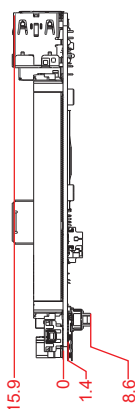
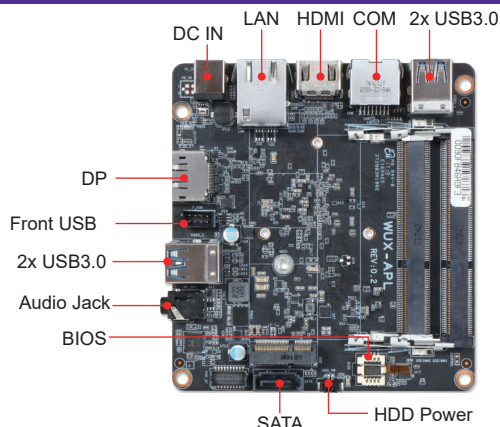


WUX-3455

Intel® Apollo Lake Atom® Processor based 4x4-inch mini PC Board with DDR3L SDRAM, Gigabit Ethernet, M.2(E+A key)socket, one COM ports and 12~19V DC input

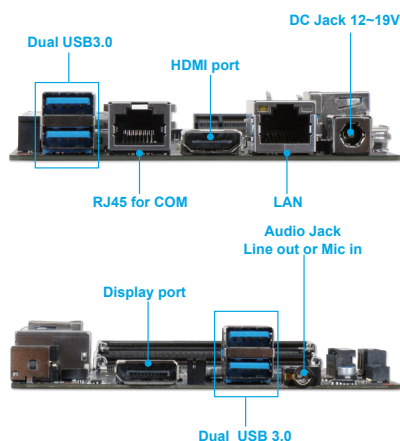


WUX-3455 builds on Intel® Atom Apollo Lake SoC and takes advantages of Intel® Celeron Processor support dual channel DDR3L memory. Support one Gigabit Ethernet port and one M.2 socket and wide voltage of power input from 12V to 19V

FEATURES

- Supports DDR3 1866/1600 MHz non-ECC SDRAM on two SODIMM slots, up to 8GB
- Supports Dual displays including DP and HDMI up to UHD resolution
- Supports one M.2(E+A key)slot, one SATAIII port and one Micro SD 3.0 socket
- Supports wide voltage of DC power input from 12V~19V

REAR I/O



GENERAL

Processor	Intel® Celeron® J3455, 4 cores, 1.5GHz/2.3GHz, 10W TDP
Chipset	Integrated
BIOS	AMI UEFI BIOS
Memory	- DDR3L 1866/1600 MHz memory - Dual 204-pin SODIMM sockets, up to 8GB
Storage Devices	- 1x SATA III - 1x microSD 3.0 - On-board eMMC 5.0 flash (32GB /64GB)
Watchdog Timer	Programmable watchdog timer from 1 sec. to 255 secs
Hardware Monitoring	- Temperature (CPU & system) - Voltage (CPU Vcore, 12V, 5V, 3.3V, 1.35V)
Expansion Interface	1x M.2 interface (E+A key) supporting WiFi, Bluetooth, 3G, 4G

I/O INTERFACE

Super I/O	N/A
Audio	- Intel® HD Audio integrated in SoC - Realtek ALC255 HDA codec - Audio jack with Line-out or Mic-in function on rear I/O
Ethernet	1x Realtek RTL8111H with RJ45 connector on rear I/O
Serial Port	1x RS-232 with RJ45 connector on rear I/O
USB	- 4x USB 3.0 ports on rear I/O - 2x USB 2.0 ports on-board with pitch 2.0 header
Keyboard & Mouse	N/A
GPIO	N/A
Other	TPM2.0 on-board (optional)

DISPLAY

Graphic Controller	- Intel® Gen 9 Graphics supporting DirectX 12, OpenGL 4.2, OpenCL 2.0 - HW accelerated video decoding supporting H.264, H.265, MPEG2, VC-1/WMV9, JPEG, VP8, VP9
Display Interface	- HDMI (1.4b): On-board connector, resolution up to 3840x2160 - DisplayPort (1.2): On-board connector, resolution up to 4096x2160

ORDERING GUIDE

ABC-3008	(R).WUX-3455-WS. Intel J3455.USB. HDMI. LAN. Audio & 32G eMMC. Bulk
AB4-A001	(R).WUX-3455. Intel J3455.USB. HDMI. LAN. Audio & 32G eMMC

Mechanical & Environment

Dimension	101.6(L) x 101.6(W) mm; 4"(L) x 4"(W)
Power Supply	DC 12V~19V input
Environment	- Operating temperature: 0°C to 60°C - Storage temperature: -40°C to 80°C - Relative humidity: 5%-95%, non-condensing
MTBF	Over 150,000 hours at 40°C

