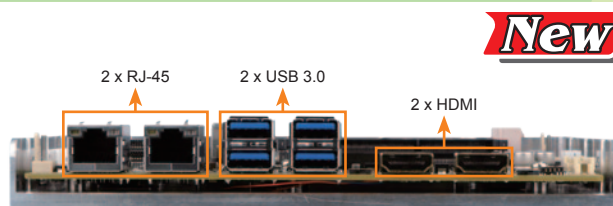


EPIC SBC supports Intel® 14nm Generation Mobile Core™ i7/i5/i3 and Celeron® on-board Processor (ULT) with HDMI/LVDS/iDP, Dual PCIe GbE, USB 3.0, PCIe Mini, SATA 6Gb/s, mSATA, COM, Audio and RoHS



Features

- ◆ SoC
Intel® Skylake-ULT platform, details TBD
- ◆ BIOS
AMI UEFI BIOS
- ◆ Memory
dual 204-pin 1333/1600MHz single-channel DDR3L SDRAM unbuffered SO-DIMM slot (system max. 16GB)
- ◆ Graphics Engine
Intel® HD Graphics Gen 9 Engines with Low power 16 execution unit, supporting DX11/12, OpenCL 4.3/4.4 and OpenCL2.x, ES 2.0
- ◆ Display Output
Triple Independent Displays
2 x HDMI (up to 4096 x 2160 @ 24Hz)
1 x 18/24-bit dual-channel LVDS by CH7511B DP to LVDS converter (up to 1920 x 1200 @60Hz)
1 x iDP interface for HDMI, LVDS, VGA, DVI, DP (up to 4096 x 2304 @60Hz) (colay with HDMI1)
- ◆ Ethernet
LAN1: Intel® I219LM PCIe GbE controller
LAN2: Intel® I211-AT with Intel® AMT 9.0 supported
- ◆ Super I/O
Fintek F81866
- ◆ Embedded Controller
iWDD IT8528E
- ◆ External I/O Interface
4 x USB 3.0
- ◆ Internal I/O Interface
1 x 8GB eMMC (optional) 1 x KB/MS (1x6 pin)
2 x USB 2.0 (2x4 pin, P=2.0) 1 x USB 2.0 (180° Type-A)
2 x RS-232 (2x5 pin, P=2.0) 1 x RS-232/422/485 (2x5 pin, P=2.0)
2 x SATA 6G/s with 5V SATA power connector (RAID 0,1)
- ◆ SMBus
1 x SMBus (1x4 pin)
- ◆ Audio
Realtek ALC662 HD codec
1 x Analog audio (2x5 pin)
- ◆ Front Panel
1 x Power LED & HDD LED (1x6 pin)
1 x Power button (1x2 pin)
1 x Reset button (1x2 pin)
- ◆ LAN LED
2 x LAN LED (1x2 pin)
- ◆ Expansion
1 x full-size PCIe Mini card slot (with SIM holder)
1 x half-size PCIe Mini card slot (with mSATA support)
- ◆ Digital I/O
1 x 8-bit digital I/O (2x5 pin)
- ◆ Fan Connector
1 x CPU fan connector (1x4 pin)
1 x System fan connector (1x4 pin)
- ◆ Power supply
12V only DC input
1 x Internal power connector (2x2 pin)
Support AT/ATX mode
- ◆ Watchdog Timer
Software Programmable support 1~255 sec. System reset
- ◆ Power Consumption
+12V@2.48A (Intel® Core™ i3-6100U CPU with two 8GB 1600MHz DDR3 memory)
- ◆ Operating Temperature: -20°C ~ 60°C
- ◆ Storage Temperature: -30°C ~ 70°C
- ◆ Operating Humidity: 10% ~ 95%, non-condensing
- ◆ Dimensions: 115mm x 165mm
- ◆ Weight: GW:850g / NW:350g

- EPIC SBC with Intel® 6th generation ULT SoC supports dual-channel DDR3L SO-DIMMs
- Triple independent display support
- Thermal design for easy assembly by heat spreader
- Full size PCIe Mini slot with SIM sockets for 3G/LTE expansion
- COM, USB 3.0, SATA 6Gb/s, mSATA, eMMC 5.0 and audio support
- IEI one key recovery solution allows you to create rapid OS backup and recovery

Technical drawing of a building floor plan with dimensions in feet and inches. The plan shows a rectangular layout with various rooms, corridors, and a central courtyard. Dimensions are provided for overall size, room sizes, and wall thicknesses.

Overall dimensions and room sizes (in feet and inches):

- Overall width: 76.39
- Overall depth: 154.84
- Room sizes (from top to bottom):
 - 10.08
 - 62.93
 - 10.08
 - 165
 - 8-8.52
 - 5.44
 - 80.93
 - 109.92
 - 115
 - 120.50
- Room sizes (from left to right):
 - 15.40
 - 18.25
 - 7.78
 - 21
- Room sizes (from top to bottom, right side):
 - 20.45
 - 42.28
 - 64.33
 - 63.13
 - 108.79
 - 150.68
- Room sizes (from left to right, bottom):
 - 35
 - 35
 - 20.20
 - 7
 - 14
- Room sizes (from top to bottom, right side):
 - 120
 - 60
 - 28.50
 - 7
 - 7

Packing List

1 x NANO-ULT3 single board computer with heatspreader	
1 x Audio cable	
1 x Power cable	1 x One key recovery CD
1 x RS-232 cable	1 x QIG (Quick Installation Guide)
1 x SATA with power cable kit	1 x Utility CD

Ordering Information

Part No.	Description
NANO-ULT3-i7-R10	EPIC SBC supports Intel® 14nm 6th Generation Mobile Core™ i7-6600U (15W) on-board Processor (ULT) with HDMI/LVDS/iDP, Dual PCIe GbE, USB 3.0, Dual PCIe Mini, SATA 6Gb/s, mSATA, COM, Audio and RoHS
NANO-ULT3-i5-R10	EPIC SBC supports Intel® 14nm 6th Generation Mobile Core™ i5-6300U (15W) on-board Processor (ULT) with HDMI/LVDS/iDP, Dual PCIe GbE, USB 3.0, Dual PCIe Mini, SATA 6Gb/s, mSATA, COM, Audio and RoHS
NANO-ULT3-i3-R10**	EPIC SBC supports Intel® 14nm 6th Generation Mobile Core™ i3-6100U (15W) on-board Processor (ULT) with HDMI/LVDS/iDP, Dual PCIe GbE, USB 3.0, Dual PCIe Mini, SATA 6Gb/s, mSATA, COM, Audio and RoHS
NANO-ULT3-C-R10**	EPIC SBC supports Intel® 14nm 6th Generation Mobile Celeron® 3955U (15W) on-board Processor (ULT) with HDMI/LVDS/iDP, Dual PCIe GbE, USB 3.0, Dual PCIe Mini, SATA 6Gb/s, mSATA, COM, Audio and RoHS
32000-023800-RS	PS/2 KB/mS cable, 135mm, P=2.0
32000-070301-RS	Dual-port USB cable, 210mm, P=2.0

** : Those items are by order production. MOQ: 100