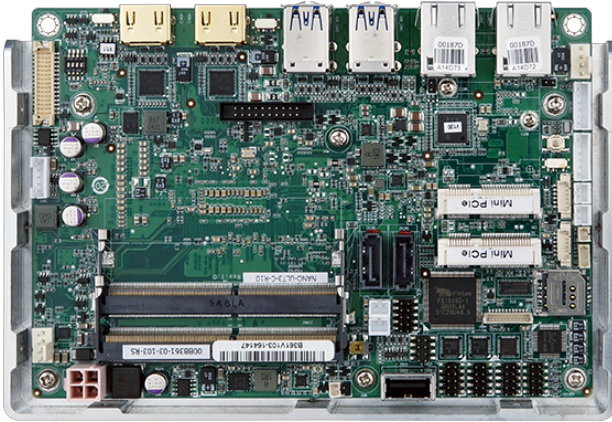


NANO-ULT3

EPIC SBC supports Intel® 14nm 6th Generation Mobile Core™ i7/i5/i3 and Celeron® on-board Processor (ULT)



Features

- » EPIC SBC with 6th generation Intel® ULT processor supports dual-channel DDR4 SODIMMs
- » Triple independent display support
- » Easy assembly heat spreader for thermal management
- » 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

Specifications

| System | |
|--------------------------|--|
| CPU | 6th generation Intel® mobile ULT on-board SoC |
| | Intel® Core™ i7-6600U (up to 3.4GHz, dual-core, 4MB cache, TDP=15W) |
| | Intel® Core™ i5-6300U (up to 3.0GHz, dual-core, 3MB cache, TDP=15W) |
| | Intel® Core™ i3-6100U (up to 2.3GHz, dual-core, 3MB cache, TDP=15W) |
| | Intel® Celeron® processor 3955U (up to 2.0GHz, dual-core, 2MB cache, TDP=15W) |
| | Intel® Celeron® processor 3855U (up to 1.6GHz, dual-core, 2MB cache, TDP=15W) |
| Memory | Two 260-pin 2133/1866 MHz dual-channel DDR4 non-ECC unbuffered SO-DIMMs support |
| Memory Max. | 32GB |
| Physical Characteristics | |
| Dimensions (LxWxH) (mm) | 115 X 165 |
| Net Weight | 350g |
| Storage | |
| Storage | 2 x SATA :6Gb/s with 5V SATA power connector(no RAID) |
| | 1 x eMMC :8GB(optional) |
| I/O Interface | |
| Display Output | 2 x HDMI™ :up to 4096x2160@24Hz |
| | 1 x LVDS :up to 1920x1200@60Hz |
| | 1 x iDP :for HDMI™, LVDS, VGA, DVI, DP (up to 3840x2160@60Hz) (colay with HDMI™ 1) |
| Ethernet | 2 x LAN :LAN1: Intel® I219-LM PHY with Intel® AMT 11.0 supported |
| | LAN2: Intel® I211-AT PCIe GbE controller |
| Audio | Description: Realtek ALC662 HD codec |
| | 1 x Front Audio :2x5 pin |
| I/O Interface | 2 x Internal RS-232 :2x5 pin, p=2.0 |
| | 1 x Internal RS-232/422/485 :2x5 pin, p=2.0 |
| | 4 x External USB 3.2 Gen1x1 |
| | 3 x Internal USB 2.0 :1 X Type A, 2 X 2 X 4 pin, p=2.0 |
| | 1 x PS/2 :1x6 pin |
| Expansion | 2 x PCIe mini Card Slot :1 X Full-sizet (with SIM holder & mSATA support) |
| | 1 x Half-size |
| | * 3855U belongs to Skylake ULT Base series which supports PCIe Gen 2 signal only |
| Power | |
| Power Consumption | 12V@2.48A (Intel® Core™ i3-6100U CPU with two 8 GB memory) |

| | |
|-----------------------|--|
| Power Supply | 12V only DC input |
| | 1 x Internal power connector (2x2 pin) |
| | Support AT/ATX mode |
| Environment | |
| Operating Temperature | -20°C ~ 60°C |
| Storage Temperature | -30°C ~ 70°C |
| Humidity | 5% ~ 95%, non-condensing |
| Certifications | |
| Safety & EMC | CE/FCC compliant |

Ordering Information

| | |
|------------------|---|
| 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 |

Packing List

| | |
|---|------------------|
| 1 x NANO-ULT3 single board computer with heatspreader | 1 x Audio cable |
| 1 x Power cable | 1 x RS-232 cable |
| 1 x QIG (Quick Installation Guide) | |