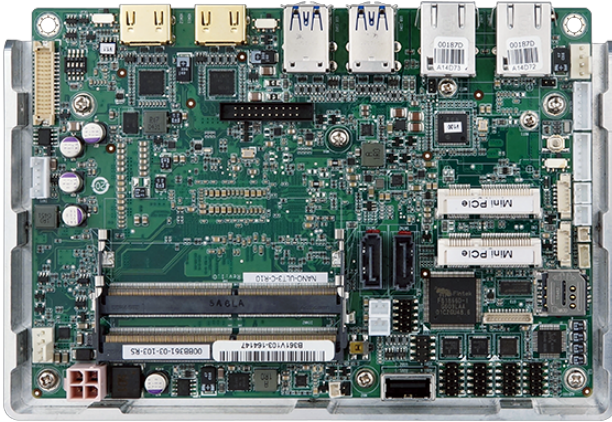


# NANO-ULT3

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)                    |                  |