Embedded Computer > Single Board Computer > Embedded Board

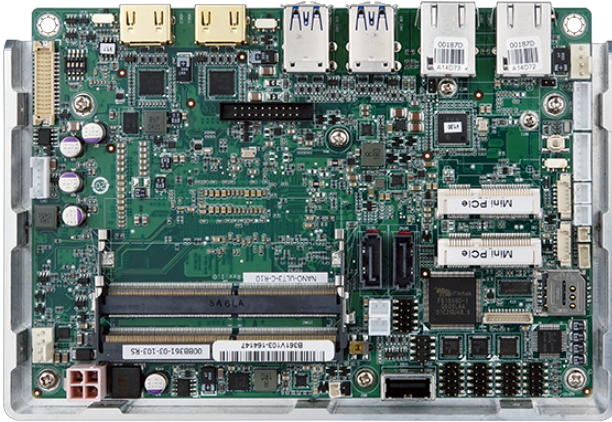## NANO-ULT3

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

Features

» EPIC SBC with 6th generation Intel® ULT proccessor 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 suppor
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 HDMI1)
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
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

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)	