ICE-ULT3

COM Express Compact size Type 6 Module, 6th Generation Intel® Core™ ULT Processor



Features

» Intel® Skylake ULT Processors supported

» Intel® HD Graphics technology integrates high-performance graphics and media processing

» Two 260-pin 2133/1867 MHz Dual-Channel DDR4 SDRAM Unbuffered DIMM supported (system max. 32GB)

» 18/24-bit dual-channel LVDS, analog CRT, DDI supported

» IEI One Key Recovery solution allows you to create rapid OS backup and recovery

» Support Intel® AMT 11.0

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
Memory Max.	32GB
Physical Characteristics	
Dimensions (LxWxH) (mm)	95 X 95
Net Weight	250g
Storage	
Storage	2 x SATA :6Gb/s
	1 x eMMC optional
I/O Interface	
Display Output	3 x Display Port :1 X DDI: DisplayPort/HDMI™/DVI (up to 3840x2160@60Hz);
	1 X DDI: DP to VGA via CH7517 (1 X Optional DisplayPort / HDMI™/DVI up to 1920x1200@60Hz);
	1 X DDI: Embedded DP (up to 3840x2160@60Hz) (Option with 1 X Dual Channel LVDS 18/24 bit via CH7511B)
	(up to 1920x1200@60Hz);
Ethernet	Description: Intel® Clarkville-V I219LM Support Intel® AMT 11.0
Audio	Description: High definition audio interface
I/O Interface	2 x Internal RS-232 :2-Wire to base board
	4 x Internal USB 2.0 :base board
	4 x Internal USB 3.2 Gen1x1 :base board (with 4 x USB 2.0)
Expansion	9 x PCIe x1 :1 x signal to base board (Via PCIe x16 channel)
	8 x signal to base board
Other Features	
CD-ROM	Through base board
Power	
Power Consumption	+12V@2.57A, 5VSB@0.04A, 5V@0.02A
	(Intel® Core™ i7-6600U with two 8GB 2400 MHz DDR4 memory)

Power Supply	12V: 12V±5%, 5VSB: 5V±5%, RTC Battery: 2.0-3.3V
Environment	
Operating Temperature	-20°C ~ 65°C
Humidity	5% ~ 95%, non-condensing
Certifications	
Safety & EMC	CE/FCC compliant

Ordering Information

ICE-ULT3-i7-R10	COM Express Compact size Type 6 Module, 6th Generation Intel® Core™ i7-6600U (15W) ULT Processor,DDR4, VGA, LVDS, DDI, GbE, SATAIII, USB 3.0 and HD Audio, RoHS
ICE-ULT3-i5-R10	COM Express Compact size Type 6 Module, 6th Generation Intel® Core™ i5-6300U (15W) ULT Processor,DDR4, VGA, LVDS, DDI, GbE, SATAIII, USB 3.0 and HD Audio, RoHS
ICE-ULT3-i3-R10	COM Express Compact size Type 6 Module, 6th Generation Intel® Core™ i3-6100U (15W) ULT Processor,DDR4, VGA, LVDS, DDI, GbE, SATAIII, USB 3.0 and HD Audio, RoHS
ICE-ULT3-C-R10	COM Express Compact size Type 6 Module, Intel® Celeron® 3955U (15W) ULT Processor,DDR4, VGA, LVDS, DDI, GbE, SATAIII, USB 3.0 and HD Audio, RoHS

Packing List

1 x ICE-ULT3 single board computer	1 x Heatsink
1 x QIG	