

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 | |