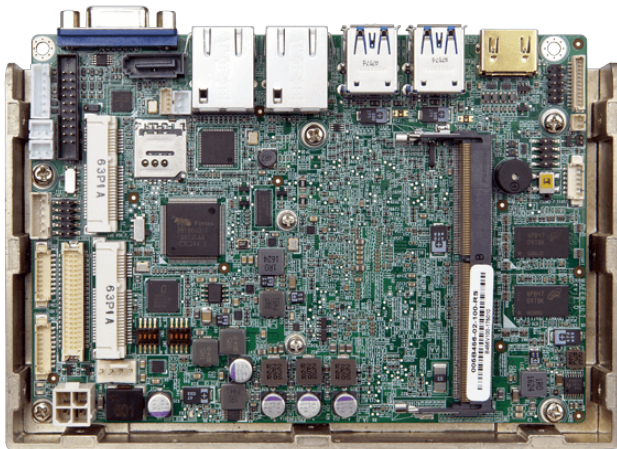


WAFER-ULT3

3.5" SBC supports Intel® 6th Generation ULT Processor with DDR4 SO-DIMM/On-board Memory Support



Features

- » 3.5" SBC with Intel® 6th Generation ULT processor supports DDR4 SO-DIMM (on-board memory support by request)
- » Triple display with VGA/iDP, HDMI™ and LVDS selection
- » Two PCIe Mini with mSATA/SIM card slot support
- » Intel® GbE LAN with Intel® AMT 11.0 supported
- » IEI One Key Recovery solution allows you to create rapid OS backup and recovery

Specifications

| | |
|--------------------------|--|
| System | |
| CPU | 6th generation Intel® mobile ULT processor |
| | 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 | 1 x 260-pin 2133MHz DDR4 SDRAM SO-DIMM (channel 1) |
| | On-board 4GB/8GB DDR4 memory (channel 2, optional support by request) |
| Memory Max. | 16GB |
| Physical Characteristics | |
| Dimensions (LxWxH) (mm) | 146 X 102 |
| Net Weight | 250 |
| Storage | |
| Storage | 1 x SATA :6Gb/s |
| | 1 x mSATA |
| I/O Interface | |
| Display Output | 1 x VGA :up to 1920x1200@60Hz |
| | 1 x HDMI™ :up to 4096x2160@30Hz |
| | 1 x LVDS :18/24-bit dual-channel (up to 1920x1200@60Hz) |
| | 1 x iDP :for HDMI™, LVDS, VGA, DVI, DP (co-layout with VGA) |
| Ethernet | Description: 1 x Intel® I219LM, 1 x Intel® I211AT |
| Audio | Description: 1 x HD audio (2x5 pin, supports 7.1-channel HD audio by AC-KIT-892HD-R10) |
| I/O Interface | 2 x Internal RS-232/422/485 :1x9 pin, P=1.25 |
| | 4 x External USB 3.2 Gen1x1 |
| | 2 x Internal USB 2.0 :2x4 pin, P=2.0 |
| Expansion | 2 x PCIe mini Card Slot :1 x Support mSATA, 1 x support SIM card |
| Power | |
| Power Consumption | 12V@4.27A (Intel® Core™ i7-6600U up to 3.4GHz CPU with 16GB 2133MHz DDR4 memory running in 3.0GHz) |
| Power Supply | 12V only DC input, 1 x Internal power connector (2x2 pin, or optional terminal block) |
| Environment | |
| Operating Temperature | -20°C ~ 60°C |

| | |
|---------------------|--------------------------|
| Storage Temperature | -20°C ~ 60°C |
| Humidity | 5% ~ 95%, non-condensing |
| Certifications | |
| Safety & EMC | CE/FCC compliant |

Ordering Information

| | |
|-------------------|---|
| WAFER-ULT3-i7-R10 | 3.5" SBC supports Intel® 6th Generation ULT Core™ i7-6600U processor with DDR4 SO-DIMM, triple display with VGA/iDP, HDMI™, LVDS, Dual GbE, PCIe mini with SIM card slot/mSATA support, SATA 6Gb/s, COM, and RoHS |
| WAFER-ULT3-i5-R10 | 3.5" SBC supports Intel® 6th Generation ULT Core™ i5-6300U processor with DDR4 SO-DIMM, triple display with VGA/iDP, HDMI™, LVDS, Dual GbE, PCIe mini with SIM card slot/mSATA support, SATA 6Gb/s, COM, and RoHS |
| WAFER-ULT3-i3-R10 | 3.5" SBC supports Intel® 6th Generation ULT Core™ i3-6100U processor with DDR4 SO-DIMM, triple display with VGA/iDP, HDMI™, LVDS, Dual GbE, PCIe mini with SIM card slot/mSATA support, SATA 6Gb/s, COM, and RoHS |
| WAFER-ULT3-CE-R10 | 3.5" SBC supports Intel® 6th Generation ULT Celeron® 3855U processor with DDR4 SO-DIMM, triple display with VGA/iDP, HDMI™, LVDS, Dual GbE, PCIe mini with SIM card slot/mSATA support, SATA 6Gb/s, COM, and RoHS |
| WAFER-ULT3-C-R10 | 3.5" SBC supports Intel® 6th Generation ULT Celeron® 3955U processor with DDR4 SO-DIMM, triple display with VGA/iDP, HDMI™, LVDS, Dual GbE, PCIe mini with SIM card slot/mSATA support, SATA 6Gb/s, COM, and RoHS |

Packing List

| | |
|---|-----------------|
| 1 x WAFER-ULT3 single board computer with heat spreader | 1 x Power cable |
| 1 x RS-232/422/485 cable | 1 x QIG |
| 1 x SATA with power cable kit | |