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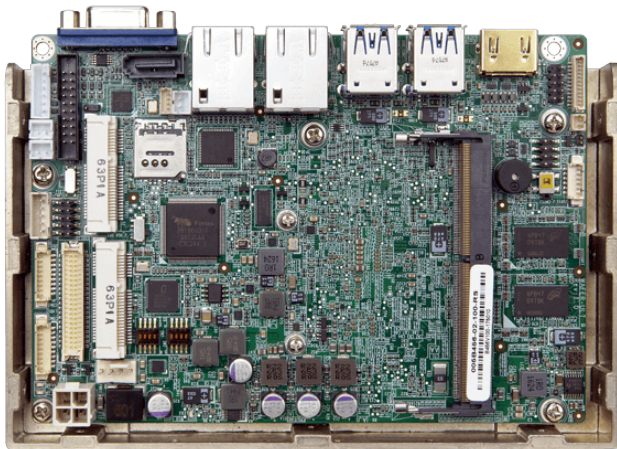
WAFER-ULT3

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	