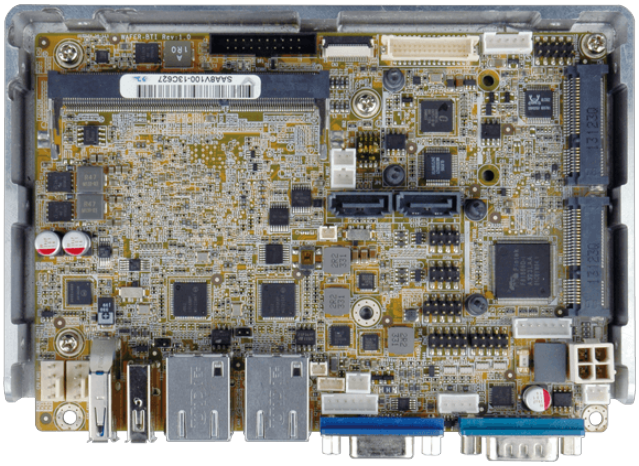
WAFER-BT

3.5" SBC with Intel® 22nm Atom™/Celeron® on-board SoC, VGA/LVDS/iDP, Dual PCIe GbE, USB 3.2 Gen 1 (5Gb/s), PCIe Mini, SATA 3Gb/s, mSATA, COM, Audio and RoHS



Features

» 3.5" SBC supports Intel® 22nm Atom™ on-board SoC

» Dual independent display support

» 1333/1066 MHz 1.35V DDR3L SDRAM up to 8 GB

» COM, USB 3.0, SATA 3Gb/s, PCIe Mini, mSATA and Audio support

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

Specifications

System	
CPU	Intel® Atom™ E3845 on-board SoC (1.91GHz, quad-core, 2MB cache, TDP=10W)
	Intel® Atom™ E3825 on-board SoC (1.33GHz, dual-core, 1MB cache, TDP=6W)
	Intel® Atom™ E3815 on-board SoC (1.46GHz, single-core, 512KB cache, TDP=5W)
	Intel® Celeron® J1900 on-board SoC (2GHz, quad-core, 2MB cache, TDP=10W)
	Intel® Celeron® N2930 on-board SoC (1.83GHz, quad-core, 2MB cache, TDP=7.5W)
	Intel® Celeron® N2807 on-board SoC (1.58GHz, dual-core, 2MB cache, TDP=4.3W)
Memory	One 204-pin 1066/1333 MHz single-channel DDR3L SO-DIMM
Memory Max.	8 GB (J1900, N2930, E3845, E3827, E3826, E3825, E3815),4 GB (N2807)
外觀	
外觀尺寸（mm）	146 X 102
Net Weight	250
Storage	
Storage	2 x SATA :3Gb/s with 5V SATA power connector
I/O Interface	
Display Output	1 x VGA :up to 2560x1600@60Hz
	1 x LVDS :24-bit dual-channel LVDS connector (up to 1920x1200@60Hz)
	1 x iDP :for HDMI™, LVDS, VGA, DVI, DP (up to 2560x1600@60Hz)
Ethernet	2 x LAN :2 x PCIe GbE by Intel I210 controller
Audio	Description: Realtek ALC888S 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-422/485 :1x4 pin, P=2.0
	4 x Internal USB 2.0 :2x4 pin, P=2.0
	1 x PS/2 :1x6 pin
Expansion	2 x PCIe mini Card Slot :1 x Support mSATA colay with SATA port 2,1 x except for ECO sku
電源	
電源功耗	12V@1.45A (Intel® Celeron® J1900 with one 8 GB 1333 MHz DDR3 memory)
Power Supply	12V only DC input,1 x internal power connector(2 x 2 pin),Support AT/ATX mode
環境	
操作溫度	-20°C ~ 60°C
存儲溫度	-30°C ~ 70°C

濕度	5% ~ 95%, non-condensing
認證	
電磁兼容與安規	CE/FCC compliant

Ordering Information

WAFER-BT-N29301-R22	3.5" SBC supports Intel® 22nm Quad-Core Celeron™ N2930 1.83GHz (7.5W)on-board SoC with VGA/LVDS/iDP, Dual PCIe GbE, USB 2.0, PCIe Mini, SATA 6Gb/s, mSATA , COM, Audio and RoHS
WAFER-BT-N28071-R22	3.5" SBC supports Intel® 22nm Quad-Core Celeron™ J1900 2.0GHz (10W)on-board SoC with VGA/LVDS/iDP, Dual PCIe GbE, USB 2.0, PCIe Mini, SATA 6Gb/s, mSATA , COM, Audio and RoHS
WAFER-BT-J19001-R22	3.5" SBC supports Intel® 22nm Quad-Core Celeron™ J1900 2.0GHz (10W)on-board SoC with VGA/LVDS/iDP, Dual PCIe GbE, USB 2.0, PCIe Mini, SATA 6Gb/s, mSATA , COM, Audio and RoHS
WAFER-BT-J19001-ECO-R22	3.5" SBC supports Intel® 22nm Quad-Core Celeron™ J1900 2.0GHz (10W)on-board SoC with VGA/LVDS/iDP, Dual PCIe GbE, USB 2.0, PCIe Mini, SATA 6Gb/s, mSATA , COM, Audio and RoHS

Packing List

1 x WAFER-BT single board computer	1 x SATA with power cable kit
1 x Audio cable	1 x Power cable
1 x QIG (Quick Installation Guide)	