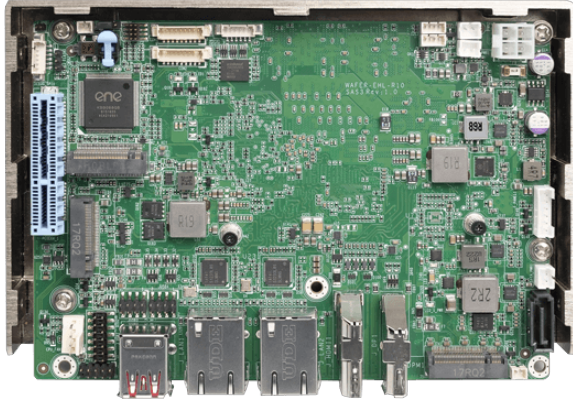


WAFER-EHL

3.5" SBC 支持 Intel® Celeron® J6412 板载处理器, 独立三显, DP, HDMI™, iDPM 插槽, 双路 2.5 GbE, USB 3.2 Gen 2, M.2, SATA 6Gb/s, COM, iAUDIO, RoHS, -10°C ~60°C



Features

- » 3.5" SBC支持 Intel® Celeron® J6412 板载处理器
- » 支持独立三显, HDMI™, DP, iDPM
- » 支持双路 Intel® I225V/I226V 2.5GbE 网络控制器芯片
- » 支持一个 PCIe Gen3 x4 插槽, M.2 A key, M.2 B key 扩展

Specifications

系统	
CPU	Intel® Atom™ x6000 series / Pentium® / Celeron® 板载处理器 (Elkhart Lake平台) Intel® Celeron® J6412 板载处理器 (高达 2.6GHz, 四核, 1.5M 缓存, TDP=10W)
内存	默认板载LPDDR4x 8GB
内存上限	支持多达至16GB
散热方案/系统风扇	1 x 系统风扇接口 (1x4 pin)
物理特性	
尺寸 (LxWxH) (mm)	146mm x 102mm
净重	GW: 850g / NW: 350g
存储	
存储	1 x SATA : 6Gb/s 带 5V SATA 电源连接器 1 x M.2(NGFF) : B Key (3042/2242) PCIe Gen3 x2, 支持 NVME 存储
I/O 接口	
显示输出	1 x HDMI™ : 高达 3840 x 2160@30Hz 1 x Display Port : 高达 3840 x 2160@60Hz 1 x iDPM : 3040 slot (仅支持 iEi eDP/LVDS/VGA 模块)
网络	2 x LAN - LAN1: Intel® I225V/I226V 2.5GbE 控制器 LAN2: Intel® I225V/I226V 2.5GbE 控制器
音频	1 x HD Audio : 1 x iAUDIO, 支持 IEI AC-KIT-888S 音频组件 (2x5 pin)
I/O接口	2 x 内部RS-232/422/485 : 1x9 pin, P=1.25 4 x 内部 USB 2.0 : 2x4 pin, P=2.00 1 x DIO 12位数字 I/O (2x7 pin) 2 x 外部 USB 3.2 Gen2x1 : 10Gb/s
扩展	1 x PCIe x4 : PCIe Gen3 x2 signal 2 x M.2(NGFF) - 1 x M.2 A Key for WIFI & BT (2230) (基于 PCIe Gen3 x1/USB 2.0 信号) 1 x M.2 B key (3042/2242) w/ SIM holder (基于PCIe Gen3 x2/USB 2.0 信号)
电源	
电源功耗	12V@3.14A (Intel® Celeron® J6412 2.0GHz with on-board 8GB 3200MHz LPDDR4 memory and EUP enabled)
电源供电	+12V直流电压输入 (AT/ATX mode)

Ordering Information

WAFER-EHL-J6412C-R10	3.5" SBC supports Intel® Celeron® J6412 on-board SoC with 8GB LPDDR4x memory on board default, triple display with DP, HDMI™ and iDPM slot , dual 2.5 GbE, USB 3.2 Gen 2, M.2, SATA 6Gb/s, COM, iAUDIO, 0°C ~60°C and RoHS
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Packing List

1 x WAFER-EHL single board computer	1 x Power cable for P4
1 x SATA with power cable kit	1 x QIG

Options

iDPM-eDP-R10	eDP to eDP Connector converter board (For iEi Display Module)
iDPM-LVDS-R10	eDP to 24 bit dual channel LVDS converter board converter board (For iEi Display Module)
NWR-R2S-R10	PCIe x2 to two PCIe x1 riser card for NANO/WAFER on the right side
NWR-L2S-R10	PCIe x2 to two PCIe x1 riser card for NANO/WAFER on the left side
CM-WAFER-WOF-R10	Cooler Module(W/O FAN);Mechanical;for 3.5" WAFER series ; RoHS
CM-WAFER-WF-R10	Cooler Module(W/FAN);Mechanical;for 3.5" WAFER series ; RoHS
CB-USB02A-RS	Dual ports USB cable with bracket, with 2.0mm pitch USB connector;RoHS
AC-KIT-888S-R10	Realtek ALC888S 7.1 Channel HD Audio peripheral board,RoHS
32102-000100-200-RS	WIRE CABLE;POWER CABLE;SERIAL ATA POWER CABLE;3;150MM;18AWG;(A)MOLEX 8981-4M P=5.08;(B)SATA 15P 180° X2;ONE PCS PKG W/ LABEL;RoHS
32005-003500-200-RS	ROUND CABLE;RS-232/422/485;RS-232 CABLE;2;250MM;26AWG;(A)D-SUB 9P MALE+HEXAGONAL SCREW;(B)MOLEX 51021-0900 P=1.25;Wins Precision;RoHS