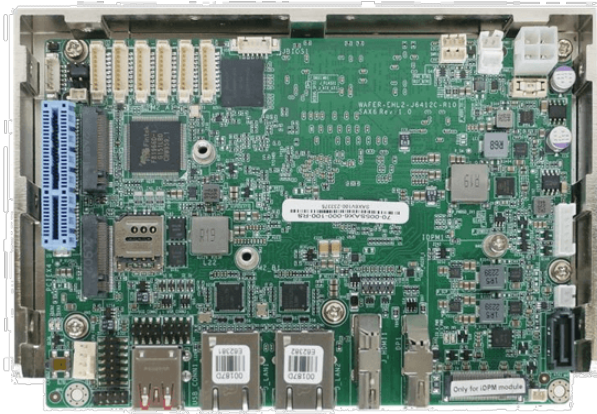


# WAFER-EHL2

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



## Features

- » 3.5" SBC supports Intel® Celeron® J6412 on-board SoC
- » Support Triple independent display via HDMI™, DP, iDPM
- » Support Dual Intel® 2.5GbE
- » Support one PCIe Gen3 x4 slot, M.2 A key, M.2 B key expansions

## Specifications

<b>System</b>	
CPU	Onboard Intel® Atom™ x6000 series / Pentium® / Celeron® processor (Elkhart Lake platform) Intel® Celeron® J6412 on-board SoC (up to 2.6GHz, quad-core, 1.5M Cache, TDP=10W)
Memory	Onboard 8GB 3200MHz LPDDR4x, support up to 16GB
Memory Max.	up to 16GB
Cooling method / System Fan	1 x CPU fan connector (1x4 pin)
<b>Physical Characteristics</b>	
Dimensions (LxWxH) (mm)	146mm x 102mm
Net Weight	GW:850g / NW:350g
<b>Storage</b>	
Storage	1 x SATA : 6Gb/s with 5V SATA power connector
<b>I/O Interface</b>	
Display Output	1 x Display Port : up to 4096 x 2160 @60Hz 1 x HDMI™ : up to 4096 x 2160 @30Hz 1 x iDPM : 3040 slot (only for iEi eDP/LVDS/VGA module)
Ethernet	2 x LAN - LAN1: Intel® I225V 2.5GbE controller LAN2: Intel® I225V 2.5GbE controller
Audio	1 x HD Audio : 1 x iAUDIO, support IEI AC-KIT-888S Audio Module ( 2 x 5 pin )
I/O Interface	1 x DIO : 12-bit digital I/O (2x7 pin) 2 x External USB 3.2 Gen2x1 : 10Gb/s 4 x Internal RS-232 1x9 pin, P=1.25 2 x Internal RS-232/422/485 1x9 pin, P=1.25 4 x Internal USB 2.0 2x4 pin, P=2.00
Expansion	2 x M.2(NGFF) - 1 x M.2 A Key for WIFI & BT (2230)(PCIe Gen3 x1/USB 2.0 signal) 1 x M.2 B key (3042/2242) w/ SIM holder (PCIe Gen3 x2/USB 2.0 signal) 1 x PCIe x4 : PCIe Gen3 x2 signal
<b>Power</b>	
Power Consumption	12V@3.24A (Intel® Celeron® J6412 2.0GHz with on-board 8GB 3200MHz LPDDR4 memory and EUP enabled)
Power Supply	+12V DC input power (AT/ATX mode)

## Ordering Information

WAFER-EHL2-J6412C-R10	3.5" SBC supports Intel® Celeron® J6412 on-board SoC with 8GB LPDDR4x memory on board default, dual display with HDMI™ and iDPM slot , dual 2.5 GbE, USB 3.2 Gen 2, M.2, SATA 6Gb/s, 6 COM, iAUDIO, 0°C ~60°C and RoHS
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## Packing List

1 x WAFER-EHEHL2-J6412 single board computer	1 x Power cable
1 x SATA with power cable	1 x QIG