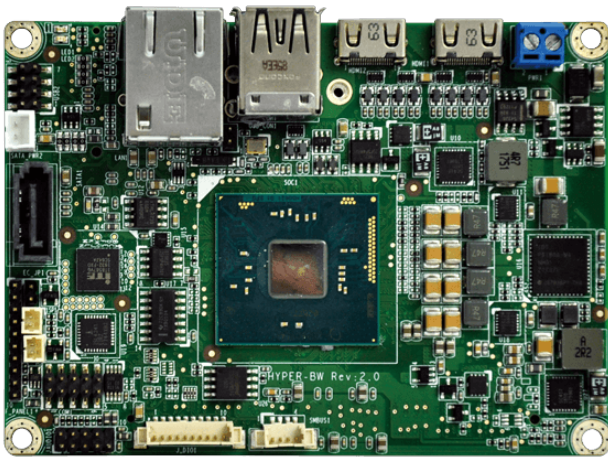


# HYPER-BW

Pico-ITX SBC with Intel® 14nm Pentium®/Celeron® on-board SoC



## Features

- » Pico-ITX SBC supports Intel® 14nm Pentium®/Celeron® on-board SoC
- » IEI jumper-less function
- » Dual independent display support
- » 1333/1600 MHz 1.35V DDR3L SDRAM up to 8 GB supported
- » COM, USB 3.0, SATA 6Gb/s and Audio support
- » 1 x M.2 B key slot for expansion possibility
- » IEI One Key Recovery solution allows you to create rapid OS backup and recovery

## Specifications

System	
CPU	Intel® Pentium® N3710 on-board SoC (up to 2.56GHz, quad-core, 2MB cache, TDP=6W) Intel® Celeron® N3160 on-board SoC (up to 2.24GHz, quad-core, 2MB cache, TDP=6W) Intel® Celeron® N3060 on-board SoC (up to 2.48GHz, dual-core, 2MB cache, TDP=6W) Intel® Celeron® N3010 on-board SoC (up to 2.24GHz, dual-core, 2MB cache, TDP=4W) Intel® Atom® x5-E8000 on-board SoC (up to 2.00 GHz, quad-core, 2M cache, TDP=5W)
Memory	One 204-pin 1600/1333 MHz single-channel DDR3L SDRAM SO-DIMM
Memory Max.	8GB
Physical Characteristics	
Dimensions (LxWxH) (mm)	100 X 72
Net Weight	250g
Storage	
Storage	1 x SATA :6Gb/s with 5V SATA power connector
I/O Interface	
Display Output	2 x HDMI™ :Mini HDMI™ (up to 3840x2160@30Hz)
Ethernet	1 x LAN :Realtek RTL8111 controller
Audio	1 x HD Audio :2x5 pin, support 7.1 channel HD audiou by AC-KIT-892HD-R10
I/O Interface	1 x Internal RS-232 :1x9 pin, p=1.25 1 x External USB 2.0 1 x External USB 3.2 Gen1x1 2 x Internal USB 2.0 :2X4 pin, p=2.0
Expansion	1 x M.2(NGFF) :2242(B Key)
Power	
Power Consumption	12V@1.52A (Intel® Pentium® processor N3710 with 8 GB 1600 MHz DDR3L memory)
Power Supply	12V DC input only 1 x Power terminal block (1x2 pin) Support AT/ATX mode
Environment	
Operating Temperature	-20°C ~ 60°C
Storage Temperature	-30°C ~ 70°C
Humidity	5% ~ 95%, non-condensing
Certifications	
Safety & EMC	CE/FCC compliant

## Ordering Information

HYPHER-BW-N4-R20	Pico-ITX SBC with Intel® Pentium® 14nm quad-core N3710 up to 2.56GHz (6W) on-board SoC with dual Mini HDMI™, PCIe GbE, M.2, USB 3.0, SATA 6Gb/s, COM, Audio and RoHS
HYPHER-BW-N3-R20	Pico-ITX SBC with Intel® Celeron® 14nm quad-core N3160 up to 2.24GHz (6W) on-board SoC with dual Mini HDMI™, PCIe GbE, M.2, USB 3.0, SATA 6Gb/s, COM, Audio and RoHS
HYPHER-BW-N2-R20	Pico-ITX SBC with Intel® Celeron® 14nm dual-core N3060 up to 2.48GHz (6W) on-board SoC with dual Mini HDMI™, PCIe GbE, M.2, USB 3.0, SATA 6Gb/s, COM, Audio and RoHS

## Packing List

1 x HYPHER-BW single board computer	1 x Audio cable
1 x Power cable	1 x RS-232 cable
2 x SATA with power cable kit	1 x QIG (Quick Installation Guide)