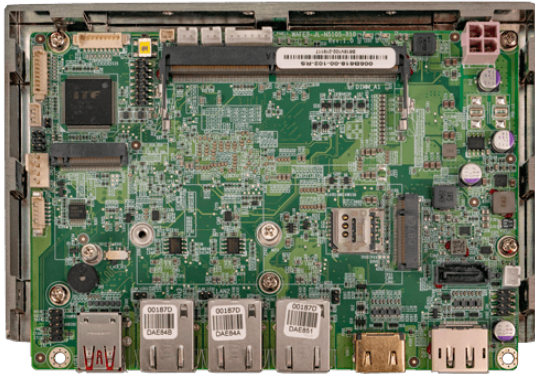


# WAFER-JL

3.5" SBC with Intel® 10nm Jasper Lake Celeron® N5105 Processor with Dual Displays, DDR4, Triple Intel® 2.5 GbE, USB3.2, M.2, SATA, COM, SoC, RoHS



## Features

1. support TDP 10W low power consumption Intel® Celeron® N5105 CPU
2. support Intel® I225V 2.5GbE Ethernet controller
3. Various I / O interfaces

## Specifications

Form Factor	
Form Factor	3.5" SBC
System	
CPU	Intel®Celeron® N5105 on-board SoC (up to 2.90GHz, Quad-core, 4M Cache, TDP=10W)
Chipset	Intel®Celeron® N5105 on-board SoC (up to 2.90GHz, Quad-core, 4M Cache, TDP=10W)
Memory	One 260-pin 2933 MHz DDR4 SO-DIMM support up to 16 GB
Memory Max.	up to 16 GB
Cooling method / System Fan	1 x System fan connector (1x4 pin)
Physical Characteristics	
Dimensions (LxWxH) (mm)	146 X 102
Net Weight	250g
Storage	
Storage	1 x SATA
	1 x M.2(NGFF) : 1 x M.2 B Key (3042/2280) w/ SIM holder (with PCIe Gen3 x2/USB2.0)
I/O Interface	
Display Output	1 x HDMI™ : up to 4096 x 2160@30Hz
	1 x Display Port : up to 4096 x 2160@60Hz
Ethernet	3 x LAN :
	LAN1: Intel® I225V 2.5GbE controller
	LAN2: Intel® I225V 2.5GbE controller
	LAN3: 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	2 x Internal RS-232 : 1x9 pin, P=1.25
	2 x Internal USB 2.0 : 2x4 pin, P=2.0
	1 x DIO : 1 x 12-bit digital I/O (2x7 pin)
	2 x External USB 3.2 Gen2x1 : 10Gb/s (Type-A)
Expansion	2 x M.2(NGFF) :
	1 x M.2 A key (2230, with PCIe Gen3 x1/USB 2.0)
	1 x M.2 B Key (3042/2280) w/ SIM holder (with PCIe Gen3 x2/USB2.0)
Power	
Power Consumption	12V@2.45A (Intel® Pentium® Silver N6000 3.30 GHz TDP 6W with one 16GB 2933 DDR4 memory)
Power Supply	+12V DC input power (AT/ATX mode)
Environment	
Operating Temperature	0°C ~ 60°C

Storage Temperature	-30°C ~ 70°C
Humidity	5% ~95%, non-condensing
Certifications	
Safety & EMC	CE/FCC compliant

## Ordering Information

WAFER-JL-N5105-R10	3.5" SBC with Intel® 10nm Jasper Lake Celeron® N5105 Processor with Dual Displays,DDR4,Triple Intel® 2.5 GbE,USB3.2,M.2,SATA,COM,SoC,RoHS
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## Packing List

1 x WAFER-JL single board computer with Heatspreader	1 x QIG
1 x SATA with power cable kit	