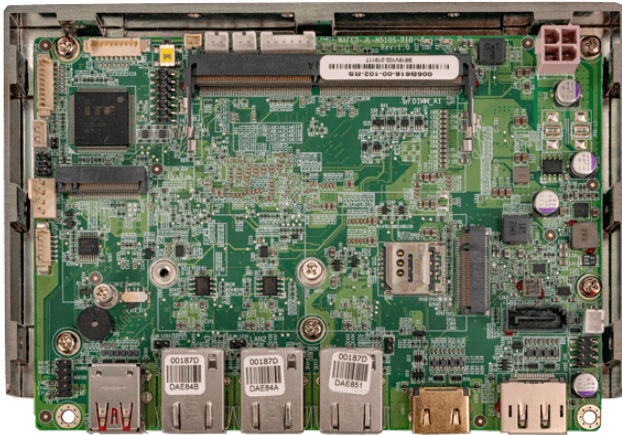


WAFER-JL

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)	115mm x 165mm
Net Weight	250g
Storage	
Storage	1 x M.2(NGFF): 1 x M.2 B Key (3042/2280) w/ SIM holder (with PCIe Gen3 x2/USB2.0)
	1 x SATA
I/O Interface	
Display Output	1 x Display Port: up to 4096 x 2160@60Hz
	1 x HDMI: up to 4096 x 2160@30Hz
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	1 x DIO: 1 x 12-bit digital I/O (2x7 pin)
	2 x External USB 3.2 Gen2x1: 10Gb/s (Type-A)
	2 x Internal RS-232: 1x9 pin, P=1.25
	2 x Internal USB 2.0: 2x4 pin, P=2.0
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
--------------------	---

Packing List

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

Options

AC-KIT-888S-R10	Realtek ALC888S 7.1 Channel HD Audio peripheral board,RoHS
CB-USB02A-RS	Dual-port USB 2.0 cable, 210mm, P=2.0
32005-003500-200-RS	RS-232/422/485 cable, 2, 250mm, 26AWG, (A) D-SUB 9P, MALE+HEXAGONAL screw, (B) MOLEX 51021-0900 P=1.25
19XM0B619-0002001-000-RS	Cooler module, 157 mm x 100 mm x 20 mm, with pad and fan
19XM0B619-0002002-000-RS	Heatsink module, 157 mm x 100 mm x 20 mm, with pad