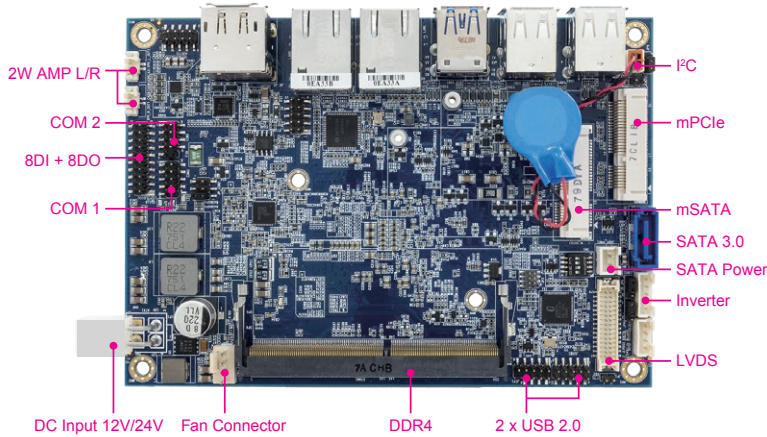


IPC-B3P20996

3.5" Intel® Kabylake-U Core® i5 / i3 / Pentium SoC SBC



Features



- Intel® Core® i5-7300U / i3-7100U / Pentium® 4415U series SoC
- 2 x LAN, 8 x USB, 2 x COM, 16bit DIO
- 1 x DP, 1 x HDMI, 1 x LVDS
- 1 x full-sized mPCIe
- 1 x full-sized mSATA

Specifications

System

CPU Support	Intel® Core i5-7300U, 2.6GHz Intel® Core i3-7100U, 2.4GHz Intel® Pentium 4415U, 2.3GHz
Memory Support	1 x SO-DIMM socket, supporting DDR4 up to 16GB (non-ECC)
BIOS	AMI BIOS, UEFI only (no DOS)
API/SW/FW	Hardware Monitor API/utility, Watchdog API/utility, selectable timer: 1~255 seconds
Power Supply	DC In 12V or 24V
Power Consumption	TBD
Dimensions	102 x 145 mm (4.02" x 5.71")
Certifications	FCC / CE
O.S. Support	Windows10 64bit / Ubuntu16.04 64bit

Graphics

HDMI	1 x HDMI, resolution up to 4096 x 2160
DisplayPort	1 x DP, resolution up to 1920 x 1200
LVDS	1 x LVDS, 18 bit / 24 bit, resolution up to 1920 x 1080

Environment

Operating Temp.	0°C~60°C (32°F~140°F): with standard heatsink 0°C~85°C (32°F~185°F): with qualified thermal solution, T.B.D
Storage Temp.	-40°C~85°C (-40°F~185°F)
Humidity	Operation & Storage humidity 20%~95%

I/O Panel View



Rear View

I/O Ports

SATA Interface	1 x SATA III port (6.0Gb/s)
Serial Ports	2 ports (pin header) COM 1: RS232 COM 2: RS232/422/485, selectable under BIOS, default RS232
LAN	Dual LAN Intel® I211 (10/100/1000 Mbps) Intel® I219LM (10/100/1000 Mbps)
Audio	Mic In / Line In / Line Out (pin header) Codec IC: Realtek ALC888 (high definition codec)
Digital I/O	8 in / 8 out (pin header)
USB	8 ports for Core-i5 SKU: 2 x USB 2.0 (internal wafer) 2 x USB 3.0 (rear I/O) 4 x USB 2.0 (rear I/O) 7 ports for Pentium SKU: 1 x USB 2.0 (internal wafer) 2 x USB 3.0 (rear I/O) 4 x USB 2.0 (rear I/O)
Expansion Bus	For Core-i5 SKU: 1 x full-sized mSATA slot (with USB signal) 1 x full-sized mPCIe slot (with SATA signal) For Pentium SKU: 1 x full-sized mSATA slot (with SATA signal only) 1 x full-sized mPCIe slot (with PCIe signal only)