

Rugged Mini G v2

Technical Specifications

Features

- Intel 7th Gen Kaby Lake U Processor
- Fanless Design
- Slim Design (39mm)
- Lockable Power Jack
- Low Power Consumption
- Wide Power Input (12 ~ 24VDC)
- 2 Independent Displays
- 2 x Gbit Ethernet ports
- 6 x COM ports
- 8in/8out DIO port



Specifications

System

Processor	Intel Core i3-7100U, 2 Core, 4 Thread, 3MB Cache, 2.4GHz Optional: Intel Core i5-7300U, 2 Core, 4 Thread, 3MB Cache, 2.6GHz to 3.5GHz
System Chipset	Kaby Lake U SoC Integrated
Graphics Controller	Intel UHD Graphics 620
LAN Chipset	3 x GbE: Intel I210- AT 1 x GbE: Intel I219 - LM
Audio	Realtek ALC887
System Memory	Up to 32GB DDR4 2133 (1 x SO-DIMM)
BIOS	AMI 128Mbit
Watchdog	Software Programmable Supports 1~255 sec. System Reset

Storage

SSD/HDD	1 x 2.5" SATA Bay
mSATA	1 x mSATA (Shared with 1 x Mini PCIe)

Expansion

Mini PCI Express	1 x MiniPCIe (Full Size Shared with mSATA) 1 x MiniPCIe (Half Size)
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Other

Cooling Method	Fanless
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I/O

Video	1 x Display Port (DP) 1 x HDMI
COM	2 x D89 Serial RS232/422/485 (COM 1 & COM 2) 4 x D89 RS232 (COM 3-6)
USB	2 x USB 2.0 4 x USB 3.2
LAN	2 x GbE RJ45
WLAN	Realtek Wireless AC + BT (Optional)
Audio	1 x Mic-in, 1 x Line-out
DIO	8 IN / 8 OUT (D825)
Other	1 x Power Switch 1 x 2pin Phoenix Terminal for External/ Remote Power Switch

Operating System

Windows	Windows 10 Pro 64bit Windows 10 IoT SAC or LTSC
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Power

Power Input Voltage	12 ~ 24 VDC
Power Connector	1 x Barrel Jack(Lockable) 1 x 2pin Phoenix Terminal Connector
Power Adapter	External Power Adapter, 19V @ 3.42A

Environment

Operating Temperature	14°F to 131°F (-10°C to 55°C) with SSD
Storage Temperature	-4°F to 176°F (-20°C to 80°C)
Relative Humidity	10% - 90% non-condensing
Shock	IEC61373 Category 1, Class B
Vibration	IEC61373 Category 1, Class B
Certification	CE, FCC, RCM, VCCI, BSMI, RoHS

Physical

Enclosure Materials	Extruded Aluminum with Heavy Duty Steel
Dimension (W x H x D)	7.87" x 5.90" x 2.16" (200mm x 150mm x 55mm)
Weight	3.05 lbs. (1.39 kg)
Mounting	Wall Mount Standard VESA 75/100 (Optional) DIN Rail (Optional)

Warranty

Warranty	1-year standard
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