

# Rugged Mini X

## Technical Specifications

### Features

- Intel 8<sup>th</sup> Gen. Core i7/i5, Ultra Mobile Processors 15W
- Fanless Design
- Ultra Slim Form Factor
- TPM 2.0
- vPro Option



### Specifications

#### System

Processor	Intel 8th Gen. Core i7/i5 Ultra Mobile Processors 15W
System Chipset	Kaby Lake-R U SOC Integrated
Graphics Controller	Intel HD Graphics 620
LAN Chipset	1 x GbE: Intel I219- LM 1 x Realtek RTL8111F GbE
Audio	Realtek ALC283
System Memory	Up to 32GB DDR4 1600 (1 x SO-DIMM)
BIOS	Insyde 64Mbit
TPM	TPM 2.0 (Infineon)
vPro	Optional w/ vPro CPU (i5-8350U & i7-8650U)
Watchdog	Software Programmable Supports 1~255 sec. System Reset

#### Storage

NVMe	M.2-2242 or M.2-2280 w/ PCIe v4 and SATA Support (auto detect)
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#### Expansion

M.2	1 x M.2 2230 "E" Key for WiFi 1 x M.2 2242 or 2280 "B" Key for SATA SSD / "M" key for 4x NVMe
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#### Other

Cooling Method	Fanless
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#### I/O

Video	1 x mini display port (DP) w/ mDP to HDMI adapter
COM	2 x D89 Serial RS232/422/485
USB	4 x USB 3.0 (Front) 3 x USB 2.0 (Rear) 1 x USB 3.0 (Rear)
LAN	2 x GbE RJ45
WLAN	Intel Wireless AC-8265 + BT
Audio	1 x Line-out
Other	1 x Power Switch

#### Operating System

Windows	Windows 10 Pro 64bit Windows 10 IoT Enterprise
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#### Power

Power Input Voltage	19 VDC
Power Connector	1 x Barrel Jack
Power Adapter	External Power Adapter, 19V @ 3.42A

#### Environment

Operating Temperature	14°F to 122°F (-10°C to 50°C)
Storage Temperature	-4°F to 140°F (-20°C to 60°C)
Relative Humidity	95% non-condensing @ 40°C
Certification	CE, FCC Class A

#### Physical

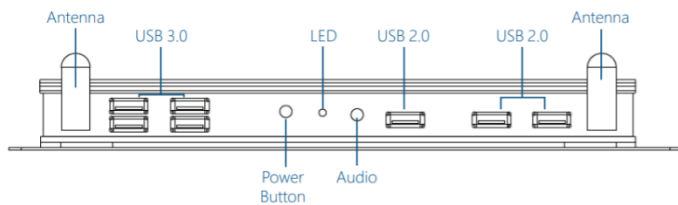
Enclosure Materials	Extruded aluminum and steel chassis
Dimension (W x H x D)	7.79" x 7.24" x 0.88" (198mm x 183.8mm x 22.4mm)
Weight	2.05 lb (0.95 kg)
Mounting	Wall Mount VESA adapter (optional)

#### Warranty

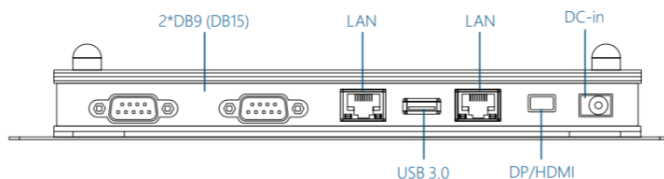
Warranty	1-year standard
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# Rugged Mini X

## I/O Layout



Front Panel



Rear Panel

## Dimensions

Unit: mm

