Product brochure

Model: G12-1215U

CPU: Onboard Intel Alder Lake 7nm CPU Intel Core i3-1215U 1.2GHz up to 4.4GHz (Turbo boost Technology) 6 Cores 8 Threads 10MB cache TDP 15W Intel Iris Xe Graphics.

Model: G12-1235U

CPU: Onboard Intel Alder Lake 7nm CPU Intel Core i5-1235U 1.3GHz up to 4.4GHz (Turbo boost Technology) 10 Cores 12 Threads 12MB cache TDP 15W Intel Iris Xe Graphics.

Model: G12-1245U

CPU: Onboard Intel Alder Lake Core i5-1245U 1.6GHz up to 4.4GHz(Turbo boost Technology) 10 Core 12 Threads 12MB cache 15W TDP Intel® Iris® Xe Graphics eligible.

Model: G12-1255U

CPU: Onboard Intel Alder Lake Core i7-1255U 1.7GHz up to 4.7GHz(Turbo boost Technology) 10 Core 12 Threads 12MB cache 15W TDP Intel® Iris® Xe Graphics eligible.

Product Highlight:

- Optional Intel Core i3-1215U/ i5-1235U/ i5-1245U/i7-1255U.
- 2 x RJ45 Intel Giga LAN + 2 x DB9 232 COM.
- Support VGA + HDMI 2.0 for 4K 60Hz dual display output synchronously.
- One embedded SIM card slot onboard for 3G/4G Wi-Fi.
- Full Aluminum Alloy Black color shell for heat dissipation, Exquisite production craft on outside design.
- Fanless system without cooling fan, fit for industrial grade field, work as long as 24 hours.
- Low consumption TDP only 15W and can be mounted on the wall.
- Support AWAL, Wake On LAN, Watchdog, RTC functions.



Basic Information:

CPU	Onboard Intel Core i3-1215U/ i5-1235U/ i5-1245U/i7-1255U
TDP	15W
Motherboard	12 x 12 cm
Chipset	Intel Alder Lake
Memory	1 x SO-DIMM DDR5 Slot Support 4GB/8GB/16GB/32GB/64GB
OS	Windows 8/Windows 10/Windows 11, WES 7/10, Linux
PXE	YES
Audio	Intel High Definition Audio and USB Audio and HID
Network	2 x Onboard Realtek RTL8111 Gigabit Ethernet NIC 10/100Mbps/1000Mbps BaseT LAN
Video	Intel Iris Xe Graphics

Wi-Fi:

Module	1 x mini PCIE-full/mini PCIE-half port for Wi-Fi/Bluetooth module 1 x mini PCIE-half/full port for 3G/4G module(Only use one at the same time)
Antenna	2 x inner RF cables and 2 x external antennas

Power and Working Environment:

Input	100-240V AC/50-60Hz
Output	DC+12V~+19V, recommend 19V/4.74A
Operating Temperature	-20°C/+60°C
Storage Temperature	-30°C/+70°C
Relative Humidity	10%~90%@30°C(non-condensing)

Input/output port:

Switch	1 x Power On/Off Switch
Power	1 x 12V-19V DC In
USB	4 x USB2.0, 4 x USB3.0
Display	1 x HDMI 1.4, 1 x VGA
LAN	2 x RJ45 Giga LAN
COM	2 x DB9 232 COM
Audio	1 x MIC, 1 x SPK

Storage:

MSATA	1 x M.2 slot for NVME/NGFF 2280 SSD
SATA	1 x SATA3.0 slot for SATA HDD or SSD, support 6Gb/s

Product Dimension & Details:

Size	193.9*127*57.2mm
Weight	Net 1kg, Gross 1.5kg
Shell	Black color aluminum alloy(any customized color for bulk order)
Mounting	4 mounting holes one the case baseplate
Cooling Mode	Fanless
Functions	AWAL, Wake On LAN, RTC, Watchdog

Package Content:

Standard	1xMini PC, 1xPower Adapter, 1xPower Cord, 1xScrews Bag
Optional	Wi-Fi antennas, 1xHDMI cable, 1xUser Manual, 1xLong Screws Bag

