

Q100-EB SERIES

Q100-EB33

High-Performance Mini PC

Q100-EB33 delivers H-series compute in a compact 1.6 L format, bringing flexible upgrades and broad connectivity to a cooling-focused, low-noise desktop platform.

- A compact chassis that frees desk space while retaining practical expansion.
- 3,000 ventilation holes and an intelligent fan support efficient, quiet operation.
- Two DDR4 SO-DIMM slots enable memory upgrades up to 64 GB.
- HDMI + VGA, dual audio connections and Wi-Fi 6 / Bluetooth expansion support flexible deployment.



12th / 13th Gen
H-SERIES CPU

Up to 64 GB
DUAL DDR4 SO-DIMM

1.6 L
COMPACT VOLUME

HDMI + VGA
DUAL DISPLAY

Product Specification

SYSTEM	
CPU	12th / 13th Gen H45-series high-performance processors, including i5-12450H, i7-13620H, and Core 5 220H, etc.
Memory	2 × SO-DIMM DDR4, up to 64 GB.
Storage	1 × M.2 2280 slot for SSD; NVMe protocol by default, switchable to SATA. 3D TLC NAND, ≥ PCIe Gen3 ×4, ≥ NVMe 1.4, MTBF ≥ 1.5 million hours; supports M.2 / mSATA storage options.
Network	1 × RTL8111H Gigabit Ethernet adapter; optional 2 × RTL8111H Gigabit Ethernet adapters.
Display	1 × HDMI (up to 4096 × 2160), 1 × VGA; optional 1 × DP (up to 4096 × 2304).
I/O AND CONNECTIVITY	
Front I/O	1 × power button; 4 × USB 3.2 Gen 1 ports; 1 × audio-out and 1 × microphone-in port (combinable); 1 × IR port; 1 × drive activity indicator.
Rear I/O	1 × DC-IN; 1 × RJ45; 4 × USB 2.0; 1 × audio-out and 1 × microphone-in; 1 × 4-pin external-switch interface; 1 × HDMI 2.0 + 1 × VGA. Optional HDMI + DP configuration; advance order notation is required and delivery follows the custom-production lead time. 1 × COM serial port; optional 2 × COM serial ports.
Motherboard I/O	1 × M.2 2230 slot for Wi-Fi / Bluetooth; 1 × M.2 2280 slot for SSD; 1 × Mini PCIe slot for 3G / 4G / mSATA.
Bottom	1 × memory slot; 1 × externally removable, expandable SIM slot.
Power Input	90 W (19 V / 4.74 A), national-standard three-prong plug.
Operating System	Windows 10 / 11; Linux.
PHYSICAL AND ENVIRONMENTAL	
Product Dimensions	208 × 180.8 × 42.5 mm.
Installation Method	Standard configuration includes a 100 × 100 mm VESA mount.
Product Weight	Net weight: 0.9 kg. Gross weight: 1.9 kg. For reference only; subject to actual supply.
Cooling Method	Fan cooling with side exhaust.
Operating Temperature	0°C to 45°C (32°F to 113°F) at 0.7 m/s airflow.
Packing List	Cloud terminal × 1, adapter × 1, power cord × 1, certificate of conformity × 1, warranty card × 1, VESA mount (including screws and mounting ears) × 1.

- H-Series CPU
- Dual DDR4
- 1.6 L Mini PC
- Wi-Fi 6 Ready
- VESA Mount