

QG-1505A specification

CPU	AMD Ryzen Embedded R1505G with Radeon Vega 3 Graphics, 2 cores, 4 threads, 2.4GHz, up to 3.3GHz, TDP 15W-25W , FP5 Type 1.
Cooling	FANSINK Cooling
Memory	2 x DDR4 SO-DIMM sockets, Max. Capacity 32 GB Support Dual Channel DDR4 3200 MHz
Ethernet	2 x GbE LAN ports (Realtek RTL8111H)
Graphic	AMD Radeon Vega 8 Graphics: 3 x DisplayPort, 3 independent display output
Audio	Realtek Audio codec ALC897
Expansion Slots	1 x 2280 M.2 M-Key (SATA) 1 x 2280 M.2 M-Key (PCIe X4)
Storage	1 x SATA (SATA DOM/SSD/HDD) (Reserve)
EEROM	Small writeable area for custom data, non-volatile EEPROM: memory banks of 2Mb(bits) Interface : I2C
Intrusion	MCU ML51TD1AE Internal: 1 x board opened 1 x Case opened External: 8 x external intrusion input (2x10p Intrusion or tampering connectors)
Event log	Any intrusion, event or board event is logged, either the board is powered or not
Lock	Access to the board via physical key lock (Chassis)

Internal Header	1 x CPU Fan connector 1 x SYS Fan connector 1 x SATA Power (5V & 12V) (Reserve) 2 x internal USB 2.0 ports
Front I/O	1 x 2x4P ATX connector (+12V) 2 x USB 3.1 2 x RJ45 3 x DP 4 x COM Port (RS-232) 8 x USB2.0 port 3 x 3.5mm non-amplified Audio Jack (5.1 Channel audio)
Rear I/O	2 x CC talk, 3V/5V selectable (pitch 2.54 box header) 8 x Intrusion inputs , 2x10p (Molex micro- Fit 43045-2000), Jumper switchable 3.3V/5V (default) 32 x digital inputs, 2* 2x9p GPI (Molex micro-Fit 43045-1800) Jumper switchable 3.3V(default) /5V 32 x digital outputs, 2* 2x11p GPO (Molex micro-Fit 43045-2200), Jumper switchable 3.3V(default) /5V, Output overload protection 500mA
Additional Battery	1 x BIOS/clock battery: standard MB battery 1 x intrusion battery: allows intrusion switch detection when board is powered off
TPM	Onboard TPM 2.0 security chip INFINEON SLB9665TT2.0 Unique electronic serial number (UUID= on board MAC)
Operating Temp.	0°C to 50°C