

AGP151

JAMMA-Type Gaming Control System with 12th/13th/14th Gen Intel® Core™ Processor



▲ Rear view

Features

- 14th/13th/12th Gen Intel® Core™ processors
- 2 DDR4 SO-DIMM 260-pin sockets
- PCIe x16 expansion slot
- 2 SATA DOM, 1 CFast, and 1 x M.2 (PCIe Gen 3 x4)
- Optional TPM 2.0 and Secure BIOS support
- 1 VGA, 2 HDMI, and 1 DP++
- 72-pin JAMMA interface
- Optional support for 4-channel LED strips, up to 4,000 LED chips
- 6W + 6W amplified audio output

Specifications

CPU	JAMMA-type gaming system with Intel® Raptor Lake-S processor, 35W TDP	
Chipset	Support H610, Q670	
System Memory	2 x 260-pin DDR4-3200 SO-DIMM sockets, up to 64GB	
Graphic	1 x VGA. D-Sub15 connector 2 x HDMI 1 x DP++ DirectX 12.1 compliant, OpenGL ES 3.1, OpenGL 4.6, OpenCL™ 1.2	
Security	AMI BIOS Secure BIOS & storage integrity, by request TPM 2.0 on board (option)	
Storage	2 x SATA DOM, support 7-pin power 1 x vertical CFast socket (option) 1 x M.2 M-key (PCIe x4) NVMe supported	
Expansion	1 x PCIe x16 slot	
USB	USB 3.2	- 2 x external type-A connector - 1 x Internal vertical Type-A connector
	USB 2.0	- 2 x external type-A connector - 4 x external type-A connector (Q670)/2x external type-A connector (H610)



Specifications

COM Port	6x COM port - 1x full COM DB9 connector (COM1) support RS-232/422/485 - 1x full COM DB9 connector (COM2) support RS-232/TTL - 2x full COM DB9 connector (COM3, COM4) support RS-232/ccTalk - 2x simple COM by pin header or JAMMA 72-pin golden finger	
Audio	5.1-ch audio output by jack connector 6W + 6W (R/L) class-D amplified output by JAMMA 72-pin	
LAN	2 x ethernet GbE by RJ-45 connector	
Gaming I/O	Intrusion detection	2 x via internal pin header 6 x via 72-pin JAMMA
	SRAM / MRAM (battery-less backup)	2-bank supported with battery backup, up to 8MB (16MB by request) Default 2MB per bank
	Digital I/O	27-bit isolated digital inputs 27-bit high-current outputs (0.5 A/30 V) 2 x fan tachometer inputs for speed detection
	Event log	Up to 200 event logs
	EEPROM	Default 1 KB
	Low battery warning (SRAM and intrusion)	2 x low battery detection LED strip control (optional) 4-channel LED strip support Supports up to 4,000 LEDs
Indicator	Power, HDD, Low Bat	
Support OS	Windows, Linux	
Power Input	DC+12V/DC+5 V Power failure detection	
EMC	CE/FCC Class A Air: -/+ 8kv criteria B, Contact : -/+4kv criteria B	
Environment	Operation temperature: 0°C to +40°C Storage temperature: -20°C to +80°C Relative humidity: 10% to 95% (non-condensing)	
Dimension (W x D x H)	329.4 x 192.6 x 56.3 mm	

Ordering Information

AGP151-Q670	12th/13th/14th Gen Intel® Core™ gaming system with Q670 PCH, DP++, 2 HDMI, 1 VGA, 2 GbE, 6 COM, 9 USB, and 12V DC-in
AGP151-H610	12th/13th/14th Gen Intel® Core™ gaming system with H610 PCH, DP++, 2 HDMI, 1 VGA, 2 GbE, 6 COM, 7 USB, and 12V DC-in
Optional	
713000001500	LGA1700 cooler kit, 1U chassis compatible, 65W
713000001600	LGA1700 cooler kit, 1U chassis compatible, 35W