

PRODUCT PROFILE # 576

GRAPHIC CONTROL MODULE II-HD GCM II-HD

The INTREPID™ Graphic Control Module II-HD (GCM II-HD) is a dedicated, Linux-based graphic system controller designed to provide large or multi-site facilities with local GUI-based alarm monitoring and control of INTREPID™ Series II devices, contact-closure auxiliary security devices and CCTV equipment. The GCM II-HD is supplied as a self-contained module, including system hardware and application software with graphic mapping capabilities for robust system configuration and management.

The GCM II-HD features a user-friendly GUI that allows system operators to efficiently manage their facility's perimeter security program by incorporating a high-resolution site map to display detection zones and active icons representing each system device.

The GCM II-HD functions as system Pollmaster - polling all INTREPID™ devices connected to its Communications port for status. When an intrusion attempt is detected from any INTREPID™ device or auxiliary input, its precise location is displayed on the graphic map and a command is issued to the appropriate output(s).

Domestic USA orders include a keyboard and mouse. International orders do not include a keyboard and mouse. Monitor and audio speakers not included. These need to be purchased locally.



Figure 1 – GCM II-HD

Specifications:

Processor	• Intel® Celeron® G4900T 2 Cores 2.9 GHz - 2M Cache, TDP 35W
BIOS	• AMI 32MB SPI BIOS
Chipset	• Intel® Q370
Memory	• 1x DDR4-2666 MHz SO-DIMM Sockets, Supports up to 64 GB
Graphics	• Integrated Intel® UHD Graphics 610: Pentium®/Celeron® <ul style="list-style-type: none">• Supports Triple Independent Display (1x DVI-I, 2x DisplayPort)

Audio	<ul style="list-style-type: none"> • Realtek® ALC888 <ul style="list-style-type: none"> • High Definition Audio
I/O Interface	<ul style="list-style-type: none"> • 1x DVI-I (DVI-D: 1920 x 1200 @60Hz / VGA: 1920 x 1080 @60Hz) <ul style="list-style-type: none"> • 2x DisplayPort (DisplayPort: 4096 x 2304 @60Hz) • 2x GbE LAN (Supports WoL, Teaming, Jumbo Frame & PXE), RJ45 <ul style="list-style-type: none"> - GbE1: Intel® I210 - GbE2: Intel® I219-LM • 2x USB 3.1 Gen2 (Type A) • 4x USB 3.0 (Type A) • 2x USB 2.0 (Type A) • 2x RS-232/422/485 with Auto Flow Control (Supports 5V/12V), DB9 • 1x PS/2, 6-pin mini-DIN Female Connector • 1x Line-out & 1x Mic-in, Phone Jack 3.5mm • 1x ATX Power On/O Button • 1x AT/ATX Mode Switch • 1x Clear CMOS Switch • 1x Remote Reset Connector, 2-pin Terminal Block • 1x Remote Power On/O Connector, 2-pin Terminal Block • 1x External Fan Connector, 4-Pin Terminal Block (Supports smart fan function)
Storage	<ul style="list-style-type: none"> • 2x 2.5" SATA HDD/SSD bay (Gen3), 1x Internal, 1x Front Accessible Supports RAID 0/1 • 3x mSATA (shared by Mini-PCIe socket) (Gen3), BIOS Selectable • 1x M.2 Key M 2280 Socket, Supports PCIe x4 NVMe SSD or SATA SSD (Gen3)
Expansion	<ul style="list-style-type: none"> • 3x Full-size Mini-PCIe Socket <ul style="list-style-type: none"> • 2x SIM Socket • 1x CFM (Control Function Module) Interface • 2x CMI (Combined Multiple I/O) High Speed Interface • 2x CMI (Combined Multiple I/O) Low Speed Interface • 2x Antenna Hole • 1x PCI/PCIe Expansion slot (with Optional Riser Card) * Supports maximum dimensions of add-on card (H x L) : 110 x 237 mm
Power Req	<ul style="list-style-type: none"> • Power Adapter AC/DC 24V/5A 120W
Physical • Dims	<ul style="list-style-type: none"> • (WxDxH): 227 x 261 x 108 mm (8.9 x 10.3 x 4.25 inches) <ul style="list-style-type: none"> • Weight: 4.92 kg • Construction: Extruded Aluminum with Heavy Duty Metal • Mounting: Wall Mount • Unibody Chassis • Fanless Design • Jumper-less Design
Protection	<ul style="list-style-type: none"> • Reverse Power Input Protection <ul style="list-style-type: none"> • Over Voltage Protection: Protection Range: 51~58V Protection Type: shut down operating voltage, re-power on at the preset level to recover. • Over Current Protection: 15A • ESD Protection: +/-8kV (air), +/-4kV (contact) • Surge Protection: 3.84 kV (impedance 12 ohm 1.2/50us waveform)
Environment	<ul style="list-style-type: none"> • Operating Temperature: 35W TDP Processor: -40°C to 70°C (With extended temperature peripherals; Ambient with air flow According to IEC60068-2-1, IEC60068-2-2, IEC60068-2-14) <ul style="list-style-type: none"> • Storage Temperature: -40°C to 85°C • Relative Humidity: 95%RH @ 70°C (non-Condensing) • Shock: Operating, 50 Grms, Half-sine 11 ms Duration * w/ SSD, according to IEC60068-2-27 • Vibration: Operating, 5 Grms, 5-500 Hz, 3 Axes * w/ SSD, according to IEC60068-2-64 • MTBF: 396,565 Hours
Certification	<ul style="list-style-type: none"> • EMC: CE, FCC Class A, EN50121-3-2 <ul style="list-style-type: none"> • Safety: LVD EN62368-1