



GM330-BFF

G-Series



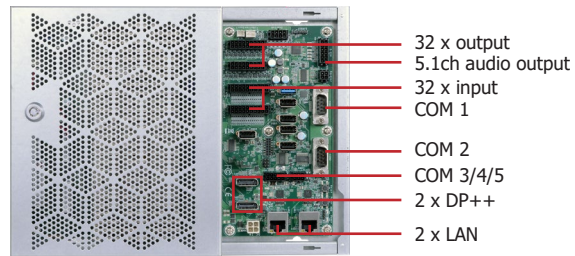
► Features

- AMD® Embedded G-Series Processor
- Comprehensive gaming features
- 2 DP++, 5 COM, 7 USB, 2 LAN and M.2 support
- 12V DC single input
- Stereo audio amp output

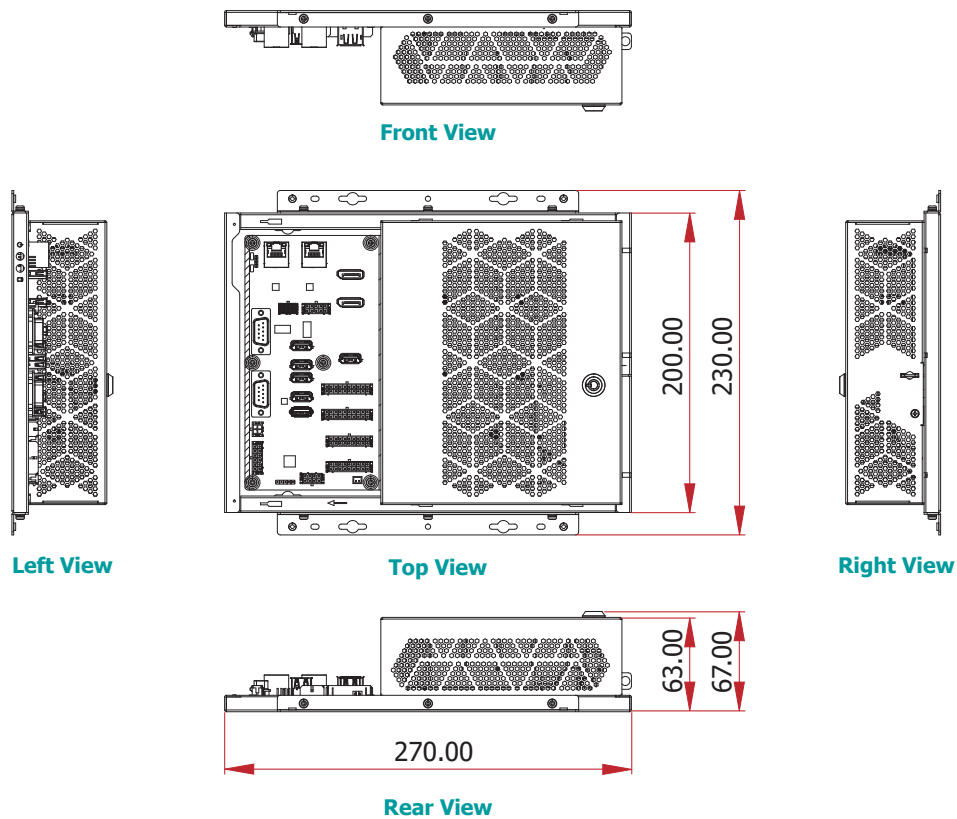


► Panel

Top View



► Dimensions



Specifications

SYSTEM	Processor	AMD® Embedded GX-217GI, Dual Core, 1MB Cache, 4 CU, 1.7GHz (2.0GHz), 12-25W AMD® Embedded GX-224IJ, Dual Core, 1MB Cache, 3 CU, 2.4GHz (2.8GHz), 10-15W AMD® Embedded GX-220IJ, Dual Core, 1MB Cache, 2 CU, 2.0GHz (2.2GHz), 10-15W
	Memory	AMD® Embedded GX-217GI : Two 260-pin SODIMM up to 32GB Dual Channel DDR4 3200MHz AMD® Embedded GX-224IJ / GX-220IJ : One 260-pin SODIMM up to 16GB Single Channel DDR4 3200MHz
	BIOS	AMI BIOS
GRAPHICS	Controller	AMD® Radeon™ Graphics
	Feature	OpenGL 4.2, DirectX 12, OpenCL 1.2
	Dual Displays	2 x DP++ DP++: resolution up to 3840x2160 @ 60Hz
STORAGE	Internal	2 x SATADOM with 7-pin VCC Support
EXPANSION	Interface	1 x M.2 M Key (2280, PCIe x4) Note: No SATA support
	AUDIO	Audio 5.1 Channel Audio Output S/PDIF Digital Output Stereo 10W+10W Class D Audio AMP Output
ETHERNET	Controller	2 x Realtek Ethernet LAN Controller (10/100/1000Mbps)
LED	Indicators	1 x Power LED 1 x HDD LED
I/O	Ethernet	2 x GbE (RJ-45)
	Serial	1 x RS-232 1 x RS-232/422/485 1 x RS-232 (Tx, Rx)/ccTalk 2 x RS-232 (Tx, Rx)/SAS/BACTA
	USB	2 x USB 3.0 5 x USB 2.0
	Display	2 x DP++
	Buttons	1 x Power Button 1 x Reset Button
	WATCHDOG TIMER	Output & Interval
SECURITY	TPM	TPM 1.2/2.0
GAMING	Intrusion Detection	8 x Intrusion Detections Operates With and Without AC Power Logs Date/Time of Last 64 Events 5 Years Data Retention during AC off
	NVRAM	Supports up to 16Mbyte Coin Battery Backup to Retain Data for 5 Years during AC off Supports Battery Voltage Monitoring & Warning
	DI/DO	32-bit Digital Input 32-bit OC output (29-bit x 500mA, support 8 meter with disconnect detection; 3-bit x 3A)
POWER	Type	12V
	Connector	2 x 2 mini-fit Vertical Connector
OS SUPPORT		Windows 7/10 (64-bit) Ubuntu 16.04 LTS (64-bit)
MECHANISM	Mounting	Wall Mount
	Dimensions (W x H x D)	270mm x 63mm x 200mm
	Weight	TBD
ENVIRONMENT	Operating Temperature	0 to 45°C
	Storage Temperature	-20 to 85°C
	Relative Humidity	5 to 90% RH (non-condensing)
STANDARDS AND CERTIFICATIONS	Shock	Operation: IEC 60068-2-27 Test Ea: Shock test Half-sine, 3G @ 11ms, 18 Shock ±X, ±Y, ±Z (each axis 3 times) Non-Operation: IEC 60068-2-27 Test Ea: Shock test Half-sine, 5G @ 11ms, 18 Shock ±X, ±Y, ±Z (each axis 3 times)
	Vibration	Operation: IEC 60068-2-64 Test Fh: Vibration Board-Band Random Test Random, 1Grms @ 5~500 Hz, 30min. Non-Operation: IEC 60068-2-6 Test Fc: Vibration Sinusoidal Test Sweep sine, 3Grms @ 10~500Hz, 30min.

► Ordering Information

Model Name	Part Number	Description
GM330-BFF-217GI	750-GM3300-300G	AMD Embedded GX-217GI, 2 DP++, 5 COM, 7 USB, 4MB NVRAM, 12V DC, half cover, CPU FAN
GM330-BFF-224IJ	750-GM3300-400G	AMD Embedded GX-224IJ, 2 DP++, 5 COM, 7 USB, 4MB NVRAM, 12V DC, half cover, CPU FAN
GM330-BFF-220IJ	750-GM3300-500G	AMD Embedded GX-220IJ, 2 DP++, 5 COM, 7 USB, 4MB NVRAM, 12V DC, half cover, CPU FAN

► Optional Items

Optional Items	Part Number	Description
Power Adapter and Cable	671-110006-100G	100W adapter; Input:100~240V; Output:12V/8.33A
	A81-004110-009G	Power Cable, DC 5.5*2.5 to 2*2P/4.2mm, L=200mm
SATADOM	638-706410-100G	64GB, MLC, Pin7 VCC, INNODISK DESML-64GM41BCADCB-S70
	638-703212-110G	32GB, MLC, Pin7 VCC, INNODISK DESML-32GM41BCADCB-S70
M.2	638-706411-100G	64GB M.2 P80 3ME2, INNODISK DEM28-64GM61BCAQC
	638-703213-100G	32GB M.2 P80 3ME2, INNODISK DEM28-32GM61BCADC
Memory	138-540002-101G	4GB DDR4 2400Mhz SO-DIMM 1Rx8 512Mx8
	138-580004-100G	8GB DDR4 2400Mhz SO-DIMM 1Rx8 1Gx8
	138-5G0163-100G	16GB DDR4 2400Mhz SO-DIMM 2Rx8 1Gx8
Windows License	921-151350-000G	Win10 IoT Ent LTSC 2019 MultiLang OEI Entry EPKEA (ESD)
Gaming Testing Kit	770-GM9001-080G	GM900 Testing Board (774-GM9001-080G)
		6 x Intrusion detection; 2x4p cable (A81-009231-016G)
		1 x Intrusion detection; 1x2p cable (A81-009232-016G)
		16 x DI; 2x10p cable (A81-009233-016G)
		16 x DI; 2x10p cable, (A81-009234-016G)
		16 x DO; 2x9p cable (A81-009235-016G)
		16 x DO; 2x9p cable (A81-009236-016G)
		USB type B to type A cable (A81-001073-016G)

► Packing List

- 1 GM330-BFF system unit