

# GS1000 Gaming Platform



The GS1000 series gaming platform is a fully-featured X86 based gaming platform supporting a broad range of IPC grade mini ITX motherboards. The GS1000 platform allows gaming machine manufacturers to optimise platform specifications and pricing for their products, selecting the best computing platform for their projects through a Configure To Order (CTO) process. As each new generation of chipset/SOC becomes available, e2c will make immediate release of the best motherboards available, so manufacturers can build with the very latest technology without delay and cost premium.

GS1000 series gaming IO is controlled by e2c's powerful iSocket Gaming Device Manager (GDM) middleware, supporting all standard gaming peripherals and protocols, including e2c's range of gaming reel controllers. e2c's iSocket powered Gaming Device Manager (GDM) integrates support for all industry standard device protocols including SAS 6.02.



## Key Features

- Fully featured all-in-one mini ITX gaming platform
- Supports broad range of IPC grade mini ITX motherboards (Intel and AMD)
- e2c GDM middleware supports all gaming protocols/peripherals
- SHA256 Crypto-Authentication game security
- Extensive GPIO and peripherals interfaces
- Multiple serial ports including 9 bit/RS485/TTL
- 2x512kB, mirrored battery-backed SRAM
- 8 intrusion inputs (battery backed) + RTCC
- 2X6W stereo class D audio amplifier
- Integrated SAS 6.02

## Fully Featured GLI compliant gaming platform

- Windows or Linux O/S
- Cost optimisation - from entry-level to mid level performance
- Compact form factor
- Range of Wireless connectivity options (3G/WiFi)

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Whilst GS1000 can support many IPC mini ITX motherboards, e2c provide the following standard build configurations. Consult e2c sales for the full range of motherboard and other build options.

Smart Hub Interfaces		Example Motherboard Specifications/Options			
General Purpose IO		Model	Intel Braswell	Intel Skylake H110	AMD V1000
Digital Inputs	32 bits TTL, ESD protected	<b>Market/Positioning</b>	Intel 2 screen	Intel 2 screen	AMD V1000 Ryzen™
Digital Outputs	24 bits, Open Drain 350mA, 36V	CPU/APU/SOC	N3150	Socket 1151/H110	V1202/V1605/V1756
High Current output	11 x 3A / 36V open drain	CPU speed	N3150	Depends on CPU	3.2 - 3.6 GHz
Logging processor		SODIMM	DDR3x 2	DDR4 x 2	DDR4 x 2
Intrusion inputs	8 (1 internal to case) >100 days	TDP	6W	35W	12 - 54W
Opto Intrusion drive	Yes	Graphics	Intel Gen 8	Intel Gen 9	AMD VEGA GPU 11 cores
Power event logging	Yes (reset, brown-out, power on)	Display 1	VGA (1920x1200)	HDMI (4096x2160)	DP++
Number of events	256 time stamped	Display 2	HDMI (2560x1600)	HDMI (4096x2160)	DP++
RTCC function	RTCC battery backed	Display 3	--	--	DP++
ATX watchdog	Yes	Display 4	--	--	DP++
Serial Interfaces	GDM controlled (rear IO)	LAN1	GbE	GbE	GbE
TX/R/CTS/RTS	1	LAN2	GbE	GbE	GbE
RS232/TTL	1	Serial RS232	4	1	4 x RS232
RS232/485	1	Serial RS232/RS485	1	3	1 x RS232/RS485
CCTalk Bus	Supports 16 devices via GDM	PCIe serial expansion	M/B pass through only + CCTalk		
Audit Meters		USB (2.0 + 3.0)	4 + 0	4 + 4	(2 + 5)
Hard meter	8	(mSATA + mPCLe)	(1 + 1)	(1 + 1)	(2 + 1)
Meter current sense	Yes	<b>General Specifications</b>			
Digital meter	SEC Meter (SPI meters)	<b>System power</b>	12V DC 75W		
NV storage		<b>Security</b>	Key Lock + microswitch+SHA256 crypto processor		
Dual banked SRAM	2 x 512kB USB mapped	<b>Dimensions</b>	265mm x 200mm x 62mm (with brackets)		
Retention	Li ion rechargeable >100 days	<b>Thermal Management</b>	Fanless	Fanless	Silent Fan
Auto mirror function	Yes	<b>Audio</b>	2 x 6W stereo Class D. Software Mute control		
Speed (write)	100kBytes/sec maximum	<b>3G Option</b>	mPCLe + onboard SIM + Dual ANT. kit		