

G320 PEPPER



AMD 

**AMAZING PERFORMANCE
GAMING PLATFORM**



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G320

PEPPER



Overview

Ultra compact platform based on AMD Ryzen™ Embedded V1000 processors, designed for amazing graphics performance. Including 4 independent heads with UltraHD 4K resolution and h.264/h.265 4K hardware decoding, G320 Pepper implements basic security features for the gaming market and Arduino-Leonardo compatible I/O. This solution is designed for arcades, digital signage, gambling and virtual gambling environments with multiple displays.



FEATURES

Processor	AMD Ryzen™ Embedded V1000 processors
CPU Core	Up to Quad Core CPU 2.3GHz
Graphics	AMD Radeon™ Vega 3 or Vega 8 graphics
Multimedia	DirectX® 12, OpenCL™, OpenGL®, the Vulkan® API H.265 decode & encode (8-bit), VP9 decode
Memory	2x DDR4 Dual-Channel 64-bit SO-DIMM sockets with ECC support up to 32GB 2400 MT/s
Mass Storage	32GB eMMC 5.0 high speed drive SSD SATA module slot M.2 socket (featured also PCI-e x2) NVMe module slot M.2 socket (PCI-e x4 Gen 3 interface) SATA 3.0 6 Gbit/s standard connector
Networking	Gigabit Ethernet (RJ-45) WIFI/BT combo module slot M.2 socket
USB	2x USB 3.0 Type-A 2x USB Type-C: - USB 3.1 Gen 2 - DisplayPort alternate mode - USB Power Delivery (USB-PD) 3.0
Video Interface	2 x HDMI 1.4 / 2.0a (CEC) 2 x DP alternate mode on USB Type-c
Audio Interface	HD Audio Codec 3.5" combo connector: headphone + microphone 3.5" combo connector: S/PDIF optical + stereo Pre-amplified stereo speaker connectors
Other Interfaces	Front panel header, consumer-IR receiver, fan controller, RTC battery included
I/O	Arduino Leonardo-compatible I/O: - 12x analog inputs - up to 23x digital I/O (7 PWM) - 1x UART, 1x I2C, 1x SPI 3x Grove connectors: - 1x analog input, 1x UART or digital I/O, 1x I2C or digital I/O Embedded controller I/O: - 2x UART, 2x I2C, 1x SPI, 1x keyboard scan, 1x fan controller, 10x GPIO
Operating System	Linux Windows
Power In	DC in jack 19V 65W USB Type-C power delivery
Dimensions	13cm x 13cm x 7cm