

G920 CHILI



AMD 

THE NEXT GENERATION
SINGLE BOARD COMPUTER
BORN FOR GAMING



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Overview

This platform is based on the latest "Merlin Falcon" AMD Embedded R-Series SOC designed for high level graphic performance. It includes 3 independent heads with UltraHD 4K resolution and h.264/h.265 4K hardware decoding, along with hardware features to comply with GLI11 certification, and implements a Boot Security Chain to improve security and guarantee easier security tests and audits.



FEATURES

CPU/GPU	<p>"Merlin Falcon" AMD Embedded R-Series Quad Core SOC with integrated AMD Radeon GPU Support for 3 independent 4K displays H.264 hardware decoding on 4K resolution H.265 hardware decoding on 4K resolution</p> <p>"Brown Falcon" AMD Embedded G-Series Dual Core SOC with integrated AMD Radeon GPU Support for 2 independent Full-HD displays</p>
Security	PSP, HWB, DRM, TPM 1.2
System Memory	2x SO-DIMM up to 32GB DDR4
BIOS	Custom BIOS with Boot Security Chain on socket
Custom Storage	<p>SRAM with battery backup up to 4MB FRAM non-volatile memory up to 2MB (alternative to SRAM) Serial FRAM non-volatile memory on SPI bus (optional) 1x DIP-8 socket on I2C bus for jurisdiction chip</p>
Video Output	3x DisplayPort 4K (2 x DisplayPort Full-HD for G-Series Soc)
Audio	<p>5.1 Jack non-amplified S/PDIF Line-in + Mic</p>
External Ports	<p>2x USB 3.0 + 2x USB 2.0 2x LAN 4x RS-232 Full Modem DB9 2x CCTalk 64 GPIOs (32xIN + 32xOUT) iButton® interface (optional)</p>
Internal Storage & Ports	<p>2x SATA data & power connector 2x CFAST (optional) 1x M.2 connector (optional) 2x USB 3.0 + 2x USB 2.0 2x RS-232 Full Modem</p>
Security switches	<p>1x Internal Security Switch for board opening detection (1 extra security switch optional) 6x External Security Switches</p>
Power connector	Mini-Fit 2x4p
Operating Voltage	12V
Operating System	Windows10 (RS5), Linux