

A8040 ClearFog GT 8K

[a8040](#), [marvell](#), [gt](#), [8k](#), [clearfog](#)



Description

Introducing ClearFog GT 8K, the ultimate high-end edge computing, vCPE and networking single board computer. Harnessing the powerful processing and networking abilities of Marvell's ARMADA A8040, ClearFog GT 8K offers vast application potential as a versatile networking solution with a large variety of interfaces.

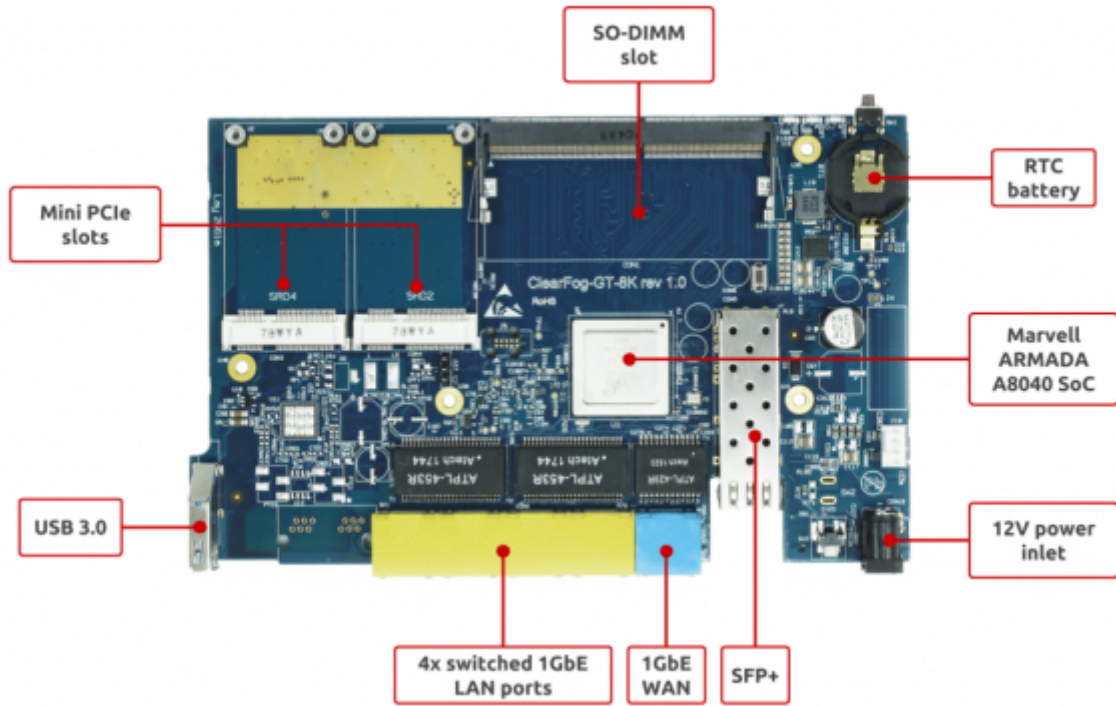
ClearFog GT 8K features an array of 4 1GbE copper LAN connections (with 2.5G uplink to SoC), a 1GbE WAN interface, and an SFP+ connector. Other features include USB 3.0 port, 3 mPCIe, up to 16GB DDR4 memory, eMMC, optional M.2 support via adapter, microSD, GPIO header, and supports Linux Kernel 4.4x, Ubuntu 16.04, and Google IoT Core (for easy connection to the Google Cloud Platform).

Specifications

Description/Model	ClearFog GT 8K
Processor	Marvell ARMADA A8040 quad-core Cortex ARM A72 (up to 2Ghz)
Memory and Storage	up to 16GB DDR4 DIMM M.2 (optional support via adapter) MicroSD eMMC
Connectivity	4 x 1GbE switched LAN (RJ45) 1 x 1GbE WAN (RJ45) 3 x mPCIe (USB 2.0 + PCIe) 1 x USB 3.0 1 x SFP+
I/O and Misc.	GPIO header Indication LEDs User Push Buttons UART header for debug
OS Support	Linux Kernel 4.4x, Ubuntu 16.04, Google IoT Platform
Power	12V input DC jack

Description/Model	ClearFog GT 8K
Dimensions	177mm x 110mm
Enclosure	Optional Metal Enclosure

Layout



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