



Armada 385 Based CPE and Network Appliance

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Product Description

Silicom's CPE and Network Appliance based on the Marvell Armada 385 SoC is a low-cost yet feature rich network white box for OEMs taking CPE, NFV, security or wireless edge devices to market. With a comprehensive open source software environment and built-in security offload capabilities, this appliance is an ideal platform for rapid deployment of innovative network edge applications and services with reduced time to market and distinct advantages in functionality, performance, and cost.

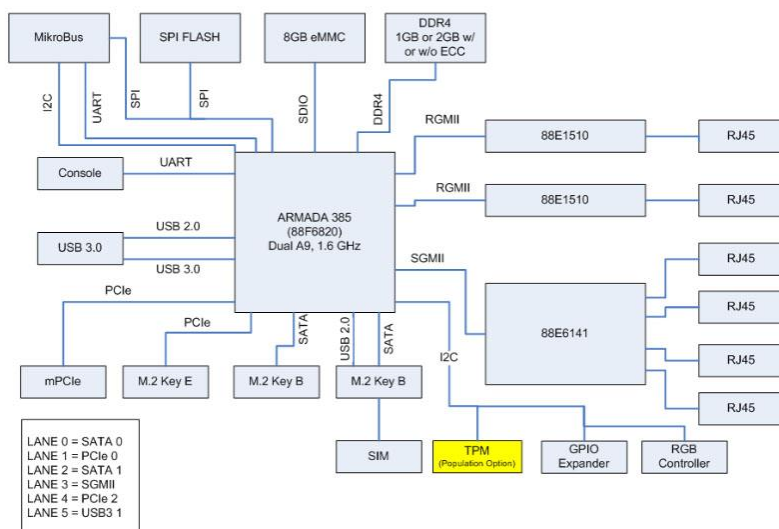


Key Features

- Marvell Armada 385 Dual-Core 1.6 GHz SoC (fanless)
- Desktop Case Dimensions: 1.5" x 6.8" x 7"
- 6x 1Gb Ethernet (2 x RJ45 + 4 port switched RJ45)
- 3x M.2 Cards (for cellular, Wi-Fi, and SSD expansion)
- eMMC onboard SSD
- 1x USB3
- Console
- 1x mPCIe
- Optional TPM
- 1GB or 2GB DDR4 (ECC is an OEM option)
- Ready for OEM branding and rapid mass production



Block Diagram



Technical Specifications

General Technical Specifications	
CPU	Marvel Armada 385 (88F6820)
Memory	–1GB or 2GB DDR4 (ECC optional)
Ethernet	– 6x 1GbE RJ45 (four ports switched)
Wireless	– M.2 cellular radio card slot with SIM – mPCIe WiFi
Storage	– eMMC onboard SSD options for 4, 8, 16, 32, 64 GB densities – SATA only M.2 slot supports SATA 3.0 SSD cards – WWAN M.2 slot supports SATA 3.0 SSD cards
I/O Connectors	– 1x USB 3.0 port – 1x mini-USB console port
Form Factor	– Board Only and Desktop (Fanless)
Certifications	Emissions and immunity European standards EN55022, EN 61000-3-3, EN 610000-3-2, EN55024 CISPR 22 FCC Part 15 subpart B Safety IEC 60950 CE Mark (covered by above certifications) RoHS-6 (Pb-free) and REACH compliant

Order Information

P/N	Description
80500-0148-G00	– Network Appliance based on the Armada 385 (88F6820) – Memory: 2 GB DDR4-1600 memory down no ECC – 8 GB eMMC SSD
Other SKUs	OEM Custom options available upon request, subject to MOQ