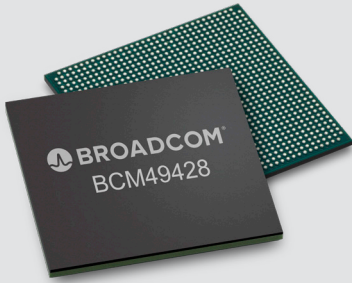


Product Brief



Features

- Quad-core ARMv8-compatible CPUs
- Dual Issue Runner – Packet processor
- DDR3 and DDR4 memory interface
- Fully Integrated 10/5.0/2.5 Gb Ethernet PHY
- 3 USXGMII Ethernet ports
- Quad integrated 1GbE PHYs
- Dual USB ports
- High-performance Security Processing Unit, with advanced TEE (trusted execution environment) offering high levels of security

BCM49428

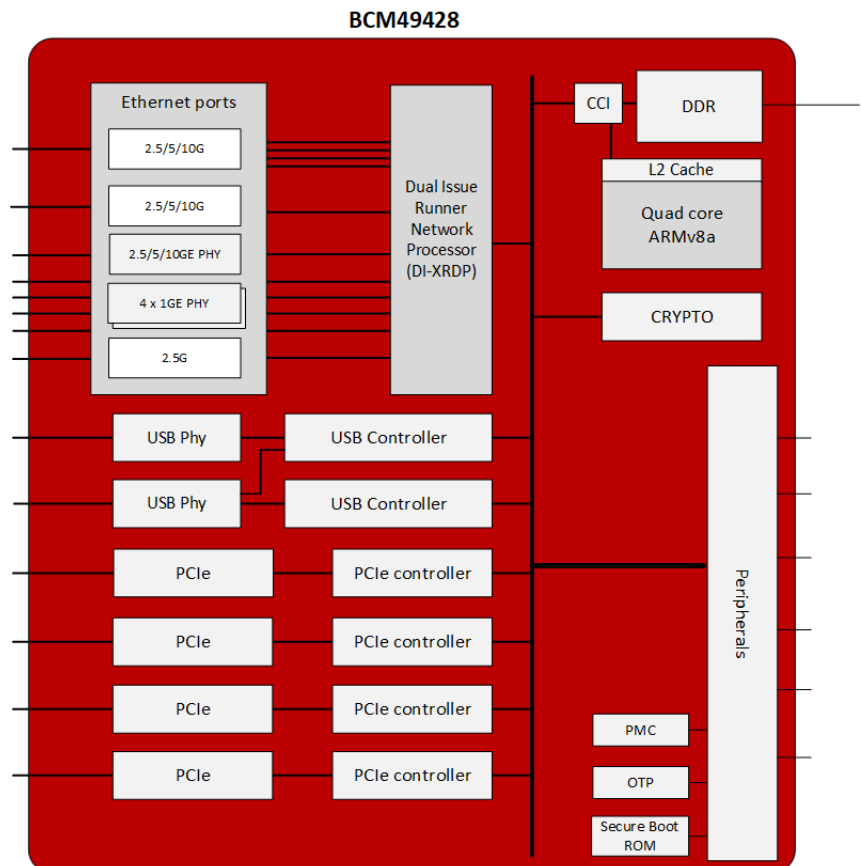
Quad-Core ARM v8 CPU 10Gb Network Processor for Enterprise Wi-Fi Access Point Applications

Overview

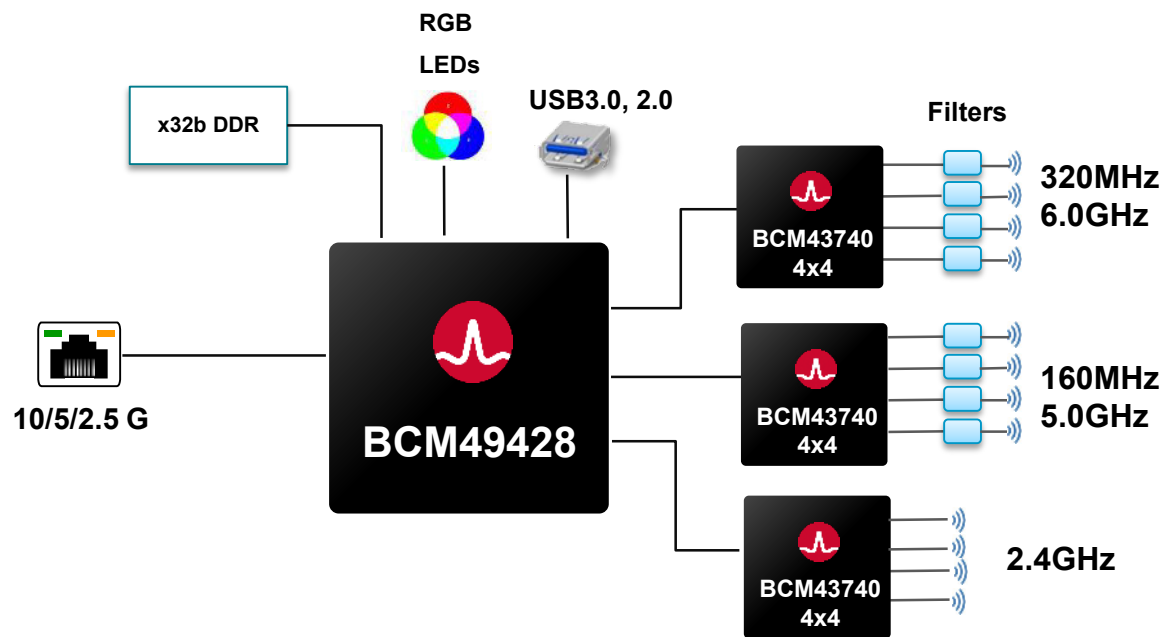
The BCM49428 high-performance network processor has been designed from the ground up for the next generation of high-performance wireless access points and is ideally suited to support the next generation of 11be WiFi7 access points.

The quad-core v8-compatible CPUs have enough horsepower to support the throughput of Broadcom's next generation of Wi-Fi 7 access point chips and still provide plenty of headroom to run customers' value-added applications.

The BCM49428 features a dual-issue Runner network processor and a high-performance security processing unit. The integrated 10G/5G/2.5G multi-Gig PHY makes this the ideal platform to support the next generation of multigigabit Enterprise Wi-Fi networks.



Typical Wi-Fi 7 Access Point Block Diagram



Ordering Information		
Part Number	Package	Ambient Temperature Range
BCM49428AOKFEBG	21 mm x 21 mm FCBGA	0°C to 70°C
BCM49428A0IFEBG	21 mm x 21 mm FCBGA	-40°C to 85°C