

Product Selector

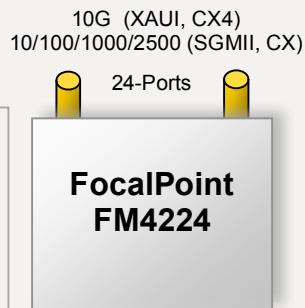
10G Enhanced Ethernet Switch-Router

The FM4000 family of switch devices contain up to 24 10GbE ports and utilize a high performance, low latency Ethernet switch architecture including a comprehensive suite of Layer 3 features along with advanced classification, congestion management and system management capabilities. These switches contain all the features necessary to enable Ethernet as the single, converged datacenter fabric, transporting inter-processor, storage and networking traffic. The FM4000 products come in a variety of port configurations and packages sizes that are tailored for key applications ranging from server clustering to port aggregation as shown in the figures below.

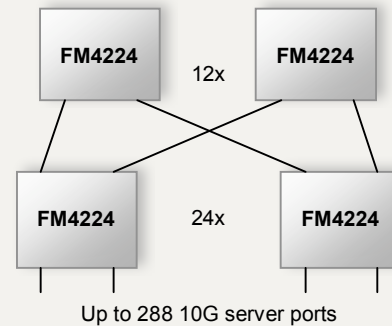
FM4224 Overview

- 24 10G Ports
- 37W max (typical operation)
- 40mm, 1433 BGA Package

The FM4224 is ideal for applications such as top-of-rack switching in the datacenter, or chassis based cluster switching, where it can connect up to 288 servers with less than 1uS latency through the fabric.



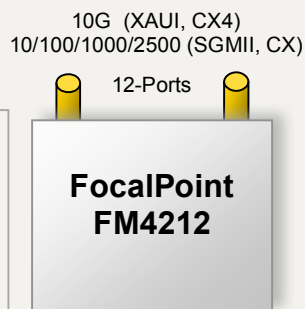
FM4224 High-Density Datacenter Switch



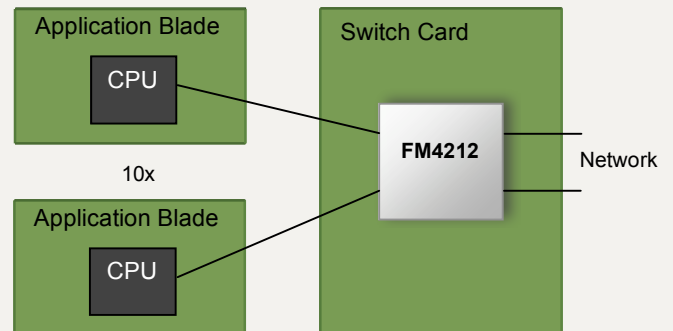
FM4212 Overview

- 12 10G Ports
- 23W max (typical operation)
- 40mm, 1433 BGA Package

In applications such as Network Security, the powerful FM4000 policy engine can perform flow pre-classification and load distribution to an array of application blades, lowering the overall system cost.



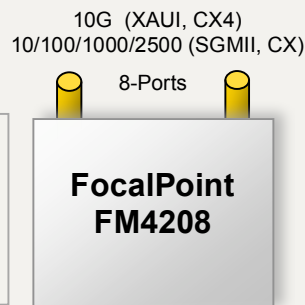
FM4212 Pre-classification and Load Distribution



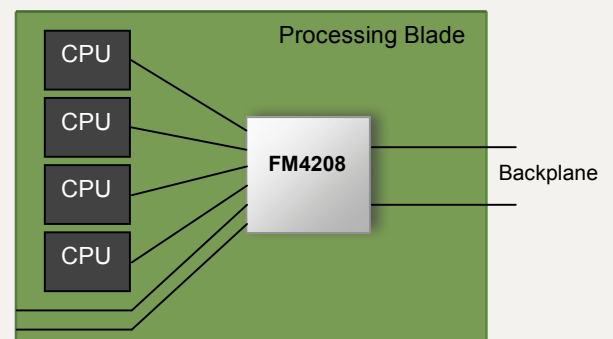
FM4208 Overview

- 8 10G Ports
- 18W max (typical operation)
- 32mm, 897 BGA Package

Powerful processing blades can be developed using the FM4208 as a low latency interconnect between CPUs on a blade and also between multiple CPU blades in the system.



FM4208 High-Performance Processing Blade

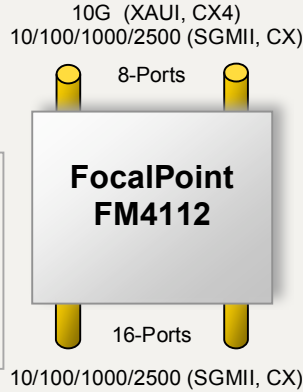


FocalPoint FM4000 Series

FM4112 Overview

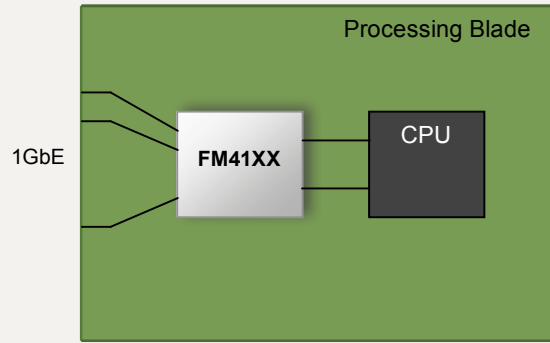
- 8 10G Ports
- 16 1G Ports
- 26W max (typical operation)
- 32mm, 897 BGA Package

The FM4112 provides the same capabilities as the FM4208, but with the addition of 16 GbE access/aggregation ports. This allows the development of powerful processing blades with Gigabit Ethernet access.



10G Enhanced Ethernet Switch-Router

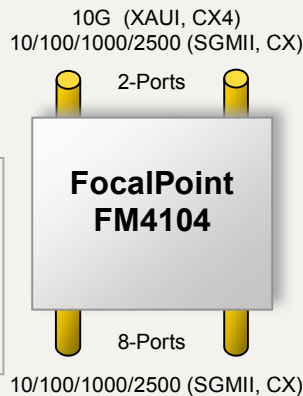
FM4112, FM4104, FM4103 Ethernet Access



FM4104 Overview

- 2 10G Ports
- 8 1G Ports
- 15W max (typical operation)
- 32mm, 897 BGA Package

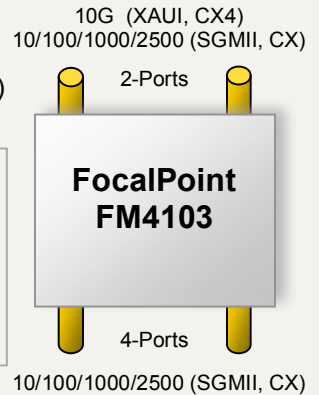
CPUs with XAUI interfaces can be enhanced using the FM4104 for 8-ports of Ethernet access. In addition, the powerful FM4000 policy engine can perform flow pre-classification offload for the CPU.



FM4103 Overview

- 2 10G Ports
- 4 1G Ports
- 12.5W max (typical operation)
- 32mm, 897 BGA Package

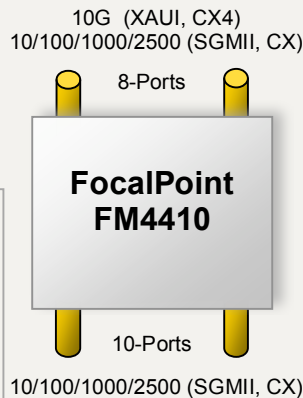
In applications such as GPON, the FM4103 can connect four GPON MACs at 2.5Gb/s with two 10G uplinks. This allows the development of GPON access cards with flow classification and congestion management.



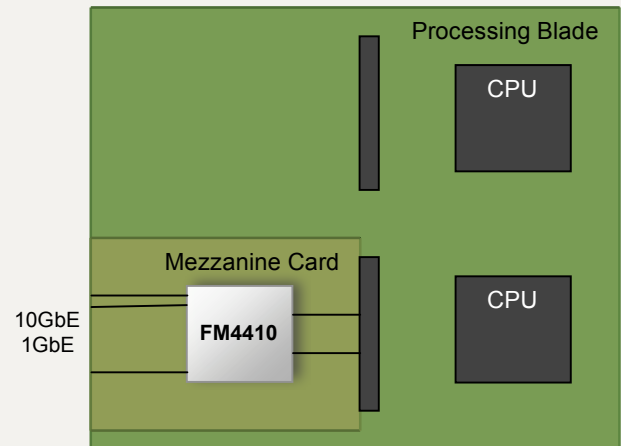
FM4410 Overview

- 8 10G Ports
- 10 1G Ports
- In-band management
- 23W max (typical operation)
- 25mm, 529 BGA Package

The small footprint of the FM4410 makes it ideal for mezzanine card applications, where in-band management can be used to eliminate the need for a CPU subsystem on the mezzanine card.



FM4410 Mezzanine Card Application



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