

Product Selector

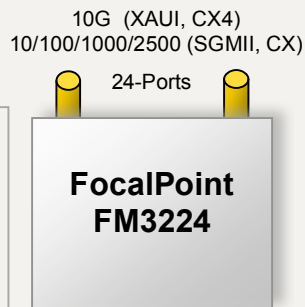
10G Enhanced Ethernet Switch

The FM3000 family of products contain up to 24 10GbE ports and utilize a high performance, low latency Ethernet switch architecture including features normally found in proprietary telecom switch fabric chip sets. A powerful policy engine can be used to assign flows to traffic classes, which can be flow controlled and scheduled separately. Virtual output queue Congestion Notification (VCN) along with Ethernet class-based pause can be used to eliminate traffic congestion due to head-of-line blocking. Efficient on-chip multicast replication along with low latency cut-through operation combine to minimize traffic jitter in applications such as video distribution. Flow-based load balancing allows traffic to be efficiently distributed across multiple switch cards for high-bandwidth backplanes with fast fail-over.

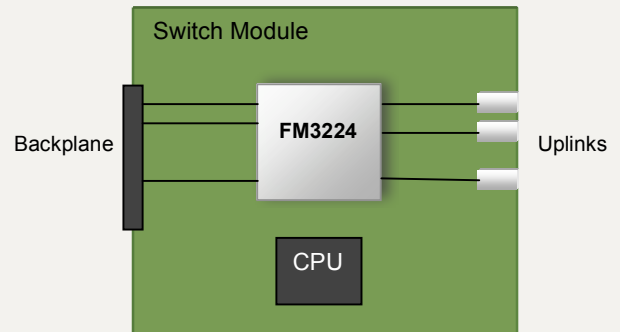
FM3224 Overview

- 24 10G Ports
- 34W max (typical operation)
- 40mm, 1433 BGA Package

The FM3224 is ideal for high bandwidth telecom backplane designs and includes Virtual Output Queue congestion notification, multicast replication and multi-level scheduling for service level guarantees.



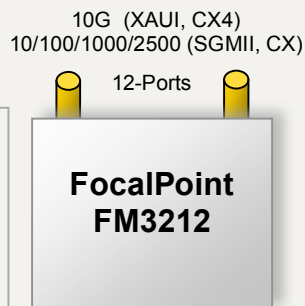
FM3224 High-Bandwidth Telecom Switch Module



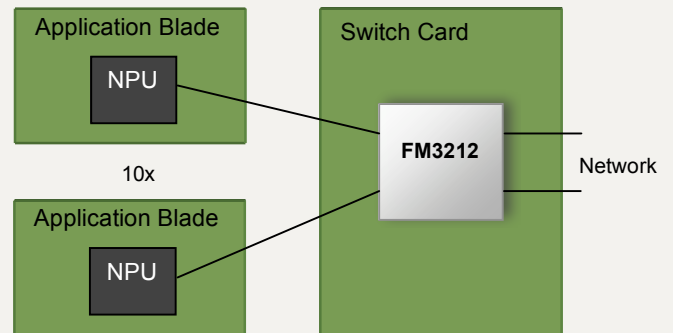
FM3212 Overview

- 12 10G Ports
- 20W max (typical operation)
- 40mm, 1433 BGA Package

In products such as Telecom Servers, the powerful FM3000 policy engine can perform flow pre-classification and load distribution to an array of application blades, lowering the overall system cost.



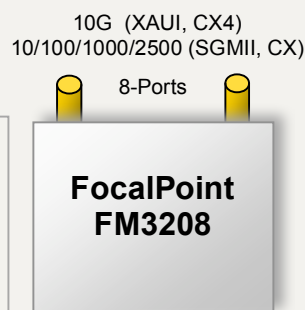
FM3212 Pre-classification and Load Distribution



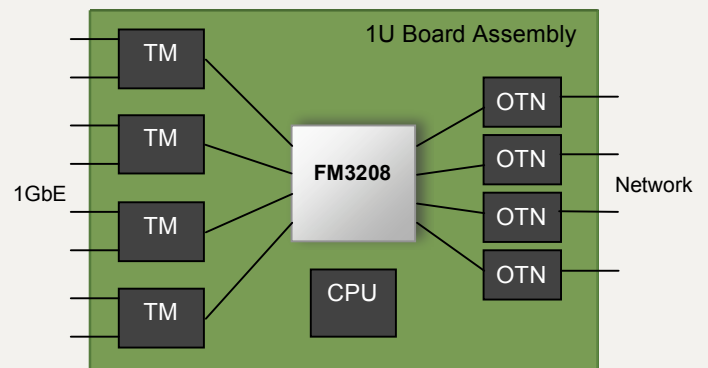
FM3208 Overview

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

Compact Carrier Ethernet access systems can be developed using the FM3208, which includes flexible VLAN learning and Q-in-Q encapsulation capabilities along with advanced scheduling.



FM3208 Carrier Ethernet Access Switch

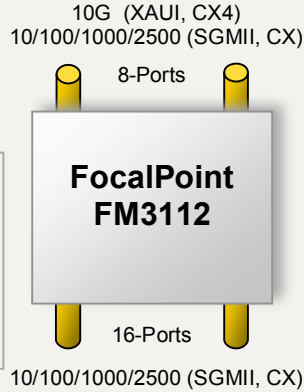


FocalPoint FM3000 Series

FM3112 Overview

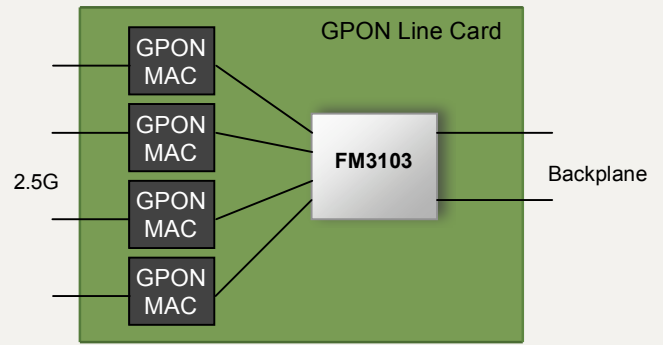
- 8 10G Ports
- 16 1G Ports
- 24W max (typical operation)
- 32mm, 897 BGA Package

The FM3112 provides the same capabilities as the FM3208, but with the addition of 16 GbE access/aggregation ports. This allows the development of NPU based line cards with Gigabit Ethernet access.



10G Enhanced Ethernet Switch

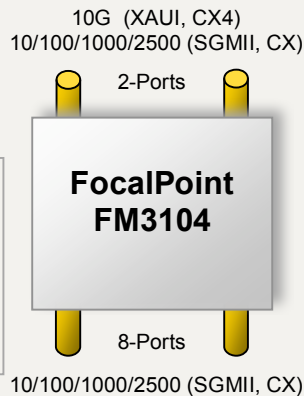
FM3103 GPON Line Card



FM3104 Overview

- 2 10G Ports
- 8 1G Ports
- 13W max (typical operation)
- 32mm, 897 BGA Package

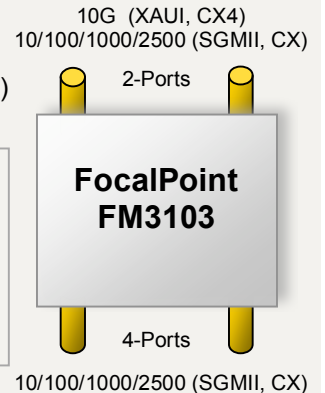
NPUs with XAUI interfaces can be enhanced using the FM3104 which provides 8-ports of Ethernet access. In addition, the FM3000 policy engine can perform flow pre-classification offload for the NPU.



FM3103 Overview

- 2 10G Ports
- 4 1G Ports
- 11.5W max (typical operation)
- 32mm, 897 BGA Package

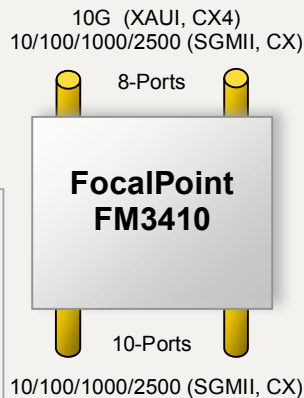
In applications such as GPON, the FM3103 can connect four GPON MACs at 2.5Gb/s with two 10G uplinks. This allows the development of GPON access cards with flow classification and congestion management.



FM3410 Overview

- 8 10G Ports
- 10 1G Ports
- In-band management
- 21W max (typical operation)
- 25mm, 529 BGA Package

The small footprint of the FM3410 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.



FM3410 Mezzanine Card Application

