

Flow Control Platform: FCP-10G

Continuous demands for higher bandwidth, increased data transmission speeds and reduced networking costs have placed tremendous strains on company data and network capabilities. With the Internap Flow Control Platform™ 10 Gigabyte (FCP-10G) solution, organizations can be assured that their network data is traveling efficiently by utilizing actual traffic to measure end-to-end performance for latency, packet loss, route stability and congestion. The result is improved network performance, intelligent traffic management across multiple provider links, easier troubleshooting, simplified network planning, and improved customer satisfaction.

The FCP-10G provides a solution for high volume traffic which measures and optimizes traffic performance while conforming to customer defined network cost and performance policies to provide reliable and predictable performance at the best possible cost. The solution's passive management system will automatically direct high-volume traffic using the most optimal path, while avoiding bottlenecks and blackouts, and removing the guesswork out of your network.

Models

FCP-10G – Stand Alone Appliance

- Single unit that supports from 2.5 Gbps up to 10 Gbps
- One FlowDirector™ processor, FD-10G
- One bi-directional FlowCollector™ processor, FC-10G (supports up to 10 Gbps)

FCP-10Gx – Expandable Appliance

- Scalable multi-unit solution, supporting from 2.5 Gbps up to 80 Gbps
- One FlowDirector™ processor, FD-10G
- One bi-directional FlowCollector™ processor, FC-10G (supports up to 10 Gbps)
- Expandable to support 7 additional FlowCollector™ FC-10G processors

	FCP-10G	FCP-10Gx
Number of Prefixes Passively Monitored	1 Million	1 Million
Number of Prefixes Actively Monitored	10,000	10,000
Number of Interfaces	2	2
Type of Interface	10G fiber multi or single mode	10G fiber multi or single mode
Max Volume	10 Gig	80 Gig
BGP Table Size	Unlimited	Unlimited

Key Business Benefits

- Control – Automatically implements routing changes when pricing or performance policies are not met
- Clarity – Measures and reports performance and costs to verify that your network data is maximized
- Confidence – Assures that your network is managed to its Service Level Agreements (SLAs), and the SLAs are performing as committed
- Cost – Reduces network and administrative costs while improving network performance

FCP-10G



FCP-10Gx



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Route Optimization in Real-Time

The FCP-10G solution is like GPS navigation for your critical application traffic. Whether performance is measured by cost, speed of transfer, or a combination of both, it proactively navigates traffic through the best possible path based on defined performance requirements. The FlowCollector processor, FC-10G, passively measures end-to-end performance for latency, packet loss, route stability and congestion, then automatically reroutes traffic via the FlowDirector processor, FD-10G, to guarantee user-defined performance levels.

Performance

Do not let frequent variations in provider performance stall your business-critical applications. Based on its patent-pending technologies of measuring end-to-end traffic characteristics in real-time, the FCP-10G solution can improve network performance by 20 to 50 percent.

- Automatically routes traffic around major network outages
- Manages network issues such as IP network brownouts
- Proactively identifies and chooses the best path at all times
- Routes traffic based on user-defined policy, including a combination of both performance and cost

Network Visibility

Network traffic management decisions should not be made in a vacuum. The FCP-10G solution takes the contract carrier information, such as cost per megabyte and burst capability, and uses it against real-time traffic performance to determine the optimal traffic mix.

- Manage network costs more effectively
- Maximize network infrastructure utilization
- Optimize cost and performance simultaneously
- Ensure contract compliance between carrier and customer

Product Specification

- **Dimension (H x W x D)**
3.5 x 17 x 16 in
9 x 43 x 31 cm
- **Storage (FlowView)**
Can store up to a year of reporting data
- **Weight**
Stand-Alone: 29 lbs / 13 kg
Expandable:
FD-10G – 29 lbs / 13 kg
FC-10G – 24 lbs / 11 kg
- **Power Requirements**
110V / 240V
50 – 60 Hz
11A max @ 115V
7A max @ 230V
- **Passive Traffic Analysis**
Standard: 2 x 10GE – LC Fiber
(per Collector box)
- **Temperature**
0° to 50°C, 32° to 122°F
- **Relative Humidity**
5 to 95%, Non-condensing



Reporting

See beyond your network edge and know if your SLAs are living up to their commitment levels. The FCP-10G solution has been developed with a rich set of reporting metrics and concrete performance data to allow visibility to engineering and management into the network beyond the customer edge.

- Communicate network performance and utilization to stakeholders
- Enforce SLAs, restructure and negotiate service provider contracts
- Better allocate costs by knowing applications and bandwidth usage
- Provide internal SLAs
- Improve Keynote and Gomez scores
- Support network design, analysis, and traffic engineering

Additional Benefits

- Improve customer satisfaction by reducing networking issues
- Increase productivity by reducing hands-on time from staff
- Allow engineers to focus on value-added activities
- Provide highlight reports on performance for most critical applications
- Continually monitor destinations of high interest, measures round-trip performance and collects performance data to support network design, analysis and traffic engineering

