SANDVINE

iQ42080 Platform

Future-ready network intelligence platform powered by high performance, third-generation Intel® Xeon®

The iQ42080 platform gathers network intelligence to provide performance insights as well as enforces fine-grained traffic policies enabling network operators to take actions necessary to improve Application Quality of Experience (App QoE) for their subscribers.

The iQ42080 is a high-performance, short depth 2RU rugged appliance offering up to 80Gbps of throughput, supporting various functions such as capacity licenses and connectivity options (1/10/25GE) as well as 10GE internal and external bypass options. The iQ42080 is designed to support a broad range of inline and passive use cases offered by Sandvine or to update and expand existing deployments.

KEY BENEFITS

- Up to 80Gbps of throughput without packet drops
- Provides multiple connectivity options (1/10/25GE)
- Supports 10GE internal and external bypass options to reduce network downtime

The iQ42080 platform can be configured to support a range of functions such as capacity licensing, analytics, and policy enforcement.
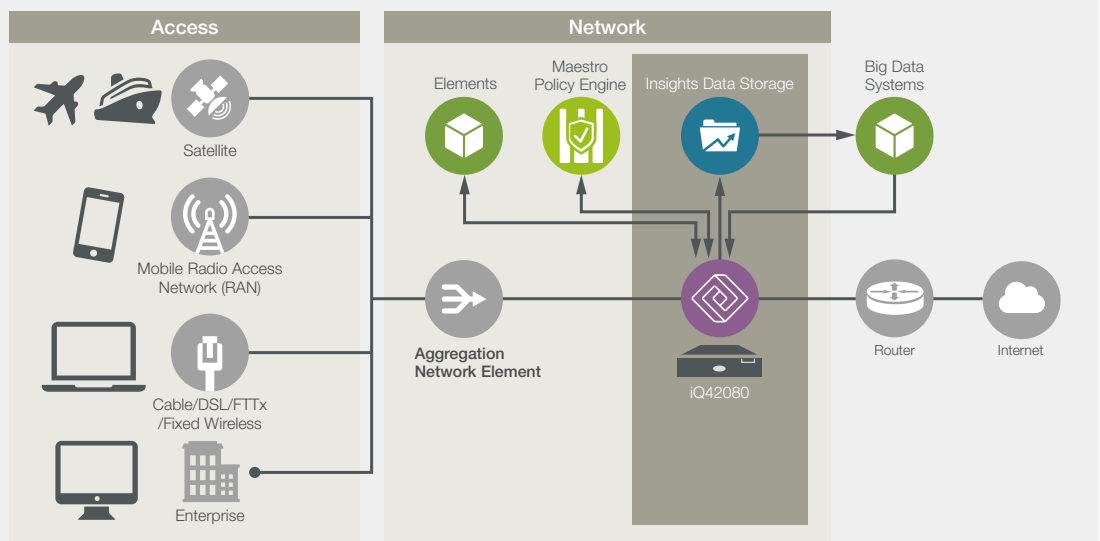
KEY CAPABILITIES

Sandvine's iQ42080 powered by ActiveLogic, enables a full suite of application and network intelligence coupled with policy enforcement capabilities, including:

- Application identification and classification
- Congestion management
- Application and traffic prioritization
- Application-layer traffic management
- Statistics collection and streaming
- Application delivery networking via advanced traffic steering

Figure 1

Typical iQ42080 Inline Deployment

iQ42080
SPECIFICATIONS

Connections	20,000,000[1]
Connections/sec	1,000,000[1]
Throughput	Up to 80Gbps
Subscribers	4,000,000[1]
Management Interfaces	2 x 1GE/10GE SFP+
Service Interfaces	4 x 10/25GE SFP+
Max # of Traffic Channels	8 x 1/10GE SFP/SFP+
Number of Interfaces	16 x 1/10GE + 4 x 10/25GE or 16 x 10GE Internal Bypass + 4 x 10/15GE
Physical Interfaces	SFP28 25GE SR SFP28 25GE LR SFP+ 10GE SR SFP+ 10GE LR SFP 1GBaseT
Redundancy	Internal 10GE Bypass, External Bypass, FlowSync/QueueSync
Hardware	2 Rack Unit (RU), 19" Rack-Mounted with AC or DC Dual Power Supply Units
Dimensions	Height 86.8 mm (3.41") Width 482.6 mm (19") Depth 400 mm (15.74") Ear to rear wall + 45 mm (1.77") with bezel
Maximum Weight	19,5 kg
Power	Two hot-swappable Power Supply Units

[1] Depending on configuration

SANDVINE

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