iQ31020 Platform

High performance, 1RU network intelligence and policy enforcement platform

The iQ31020 platform is designed primarily for mobile, fixed (FTTx, DSL, wireless), satellite, and enterprise networks, with lower capacity needs. It gathers network intelligence to provide performance insights as well enforces fine-grained policy to enable service providers to optimize network resources and improve quality of experience (QoE).
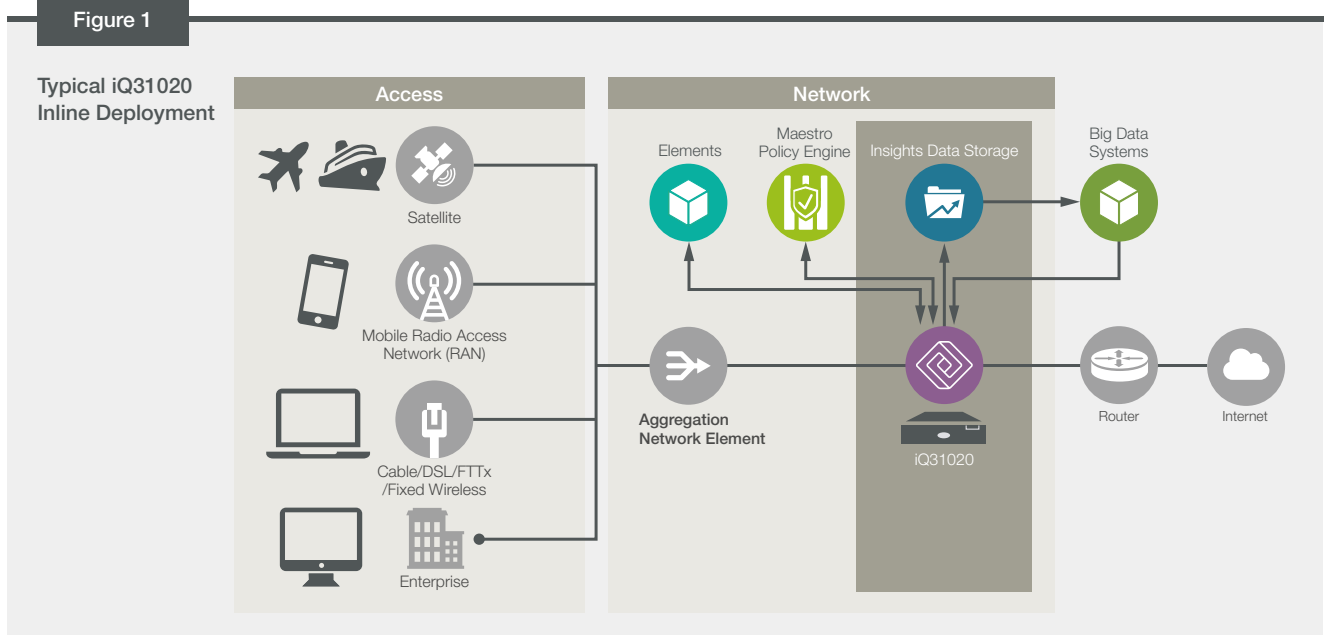
This is a high performance 1RU appliance offering up to 20 Gbps of throughput, accessible through fixed networking ports. The iQ1020 platform can be configured to support a broad range of use cases enabled by Sandvine across multiple solution areas.

KEY BENEFITS

- Built for networks with up to 1M subscribers, requiring lower capacity on 1GE and 10GE network infrastructure

- Optimized TCO with cutting-edge COTS and processor technology, achieving high performance with smaller footprint

- Slim design, only 1 rack unit (1RU) with fixed networking ports allows for consistency across deployments

KEY CAPABILITIES

Sandvine's iQ31020 with ActiveLogic software, enables a full suite of network intelligence and policy enforcement capabilities, including:

- Traffic/application identification and classification

- Congestion management

- Traffic/application prioritization

- Application-layer traffic management

- Statistics collection and streaming

- Application delivery networking via advanced traffic steering

Figure 1

Typical iQ31020 Inline Deployment

iQ31020
SPECIFICATIONS

Connections	7,500,000[1]
Connections/sec	320,000[1]
Throughput	Up to 20Gbps[1]
Subscribers	1,000,000[1]
Management Interfaces	1x1000Base-T 1xRJ45 Serial
Max Traffic Channels	**Base Platform:** 2 x 10G SFP+ 3 x 1000BASE-T **Add-On Options:** Option 1 2 x 10G SFP+ Option 2 2 x 1000BASE-T
Number of Interfaces	**Base Platform:** 4 x 10G SFP+ 6 x 1000BASE-T **Additional Add-On Modules:** Option 1 4 x 10G SFP+ Option 2 4 x 1000BASE-T
Physical Interfaces	1000BASE-T SFP+ 10GE-SR SFP+ 10GE-LR
Redundancy	External Bypass, FlowSync/QueueSync
Hardware	1 Rack Unit (RU), 19" Rack-Mounted with AC or DC Power Supply
Dimensions	Height 44.5mm (1.75") Width 434 mm (17.1") Depth 381mm (15")
Weight	8.61kg (19lb)
Power	Two hot-swappable AC or DC PSUs

[1]Actual performance may vary based on specific use cases, configurations, and underlying hardware

ABOUT SANDVINE

Sandvine's cloud-based Application and Network Intelligence portfolio helps customers deliver high quality, optimized experiences to consumers and enterprises. Customers use our solutions to analyze, optimize, and monetize application experiences using contextual machine learning-based insights and real-time actions. Market-leading classification of more than 95% of traffic across mobile and fixed networks by user, application, device, and location creates uniquely rich, real-time data that significantly enhances interactions between users and applications and drives revenues. For more information visit **http://www.sandvine.com** or follow Sandvine on Twitter **@Sandvine**.

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