



# iQ42300 Platform

## 100GE interface network intelligence and policy enforcement platform



The iQ42300 platform gathers network intelligence to provide performance insights as well as enforces fine-grained policy to enable network operators to take actions necessary to improve quality of experience (QoE) for users.

The iQ42300 platform is a high performance 2RU appliance offering up to 320Gbps of throughput, accessible through three options of modular I/O devices. The iQ42300 platform can be configured to support a broad range of use cases enabled by Sandvine across multiple solution areas.

### KEY BENEFITS

- Up to 320Gbps of throughput without packet drops
- Multiple interface options, allowing transition from 10GE to 100GE
- Supports external bypass solution to minimize network downtime

The iQ42300 platform can be configured to support a range of analytics and policy enforcement functions. iQ42300 helps evolve networks toward 100GE interfaces, virtualization, and commodity hardware.

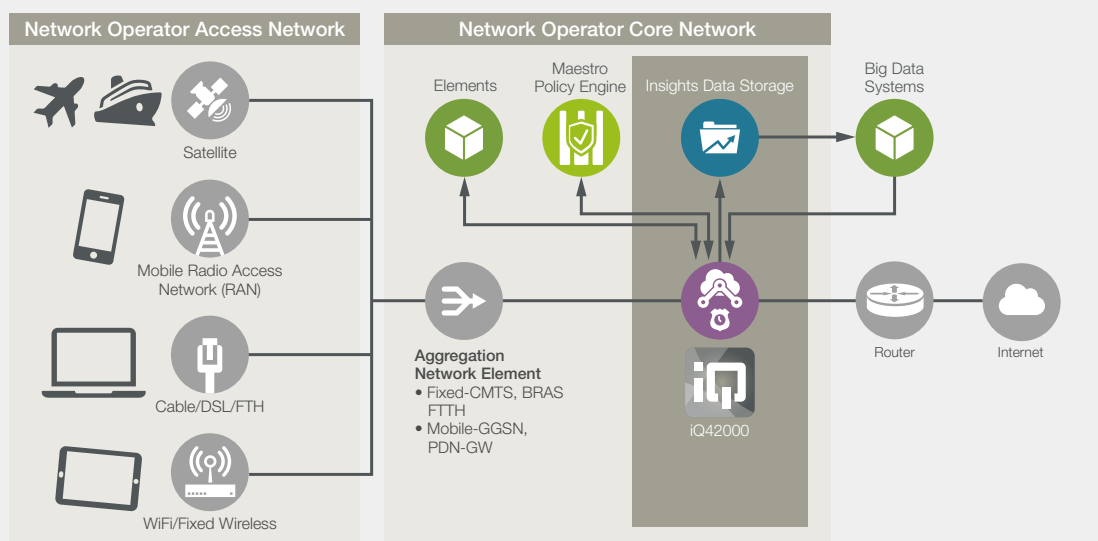
### KEY CAPABILITIES

Sandvine's iQ42300 with ActiveLogic, 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 iQ42300 Inline Deployment



# iQ42300

## SPECIFICATIONS



Connections	100,000,000 <sup>1</sup>
Connections/sec	4,800,000 <sup>1</sup>
Throughput	Up to 320Gbps <sup>1</sup>
Subscribers	10,000,000 <sup>1</sup>
Management Interfaces	4xSFP+ 1xDB9 Serial
Max # of Traffic Channels	<b>Option 1:</b> 4x100GE + 4x10GE <b>Option 2:</b> 2x100GE + 8x10GE <b>Option 3:</b> 14x10GE
Number of Interfaces	<b>Option 1:</b> 8x100GE QSFP28 8x10GE SFP+ <b>Option 2:</b> 4x100GE QSFP28 16x10GE SFP+ <b>Option 3:</b> 28x10GE SFP+
Physical Interfaces	QSFP28 100G-SR4 QSFP28 100G-LR4 SFP+ 10GE SR SFP+ 10GE LR SFP 1000BASE-T
Redundancy	External Bypass, FlowSync/ QueueSync
Hardware	2 Rack Unit (RU), 19" Rack-Mounted with AC/DC Power Supply
Dimensions	Height 86.8mm (3.42") Width 434.0mm (17.1") Depth 715.5mm (28.17") + 35.8mm (1.41") with bezel
Weight	34.01kg (75lb)
Power	Two hot-swappable AC or DC PSUs <sup>1</sup> Depending on configuration

### ABOUT SANDVINE

Sandvine helps organizations run world-class networks with Active Network Intelligence, leveraging machine learning analytics and closed-loop automation to identify and adapt to network behavior in real-time. With Sandvine, organizations have the power of a highly automated platform from a single vendor that delivers a deep understanding of their network data to drive faster, better decisions. For more information, visit [sandvine.com](http://sandvine.com) or follow Sandvine on Twitter at [@Sandvine](https://twitter.com/Sandvine).



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