



iQ42100 Qualified Software Appliance

Future-ready network intelligence platform powered by Sandvine Linux, Sandvine Installation Engine and high-performance Commercial of the Shelf (COTS) rack servers from Dell Technologies™

KEY CAPABILITIES

Sandvine's iQ42100 Qualified Software Appliance enables a full suite of network intelligence and policy enforcement capabilities, including:

- Ideal for access / edge 1GE and 10GE deployments
- Deployment & management with Sandvine Installation Engine SIE
- Up to 100Gbps inspection throughput¹
- 16 x 10GE ports for Traffic and 4 x 10/25GE ports for Admin, AUX and System roles
- Up to 4 Million subscribers¹
- Up to 20 Million connections¹

¹ Depending on configuration and network traffic profile

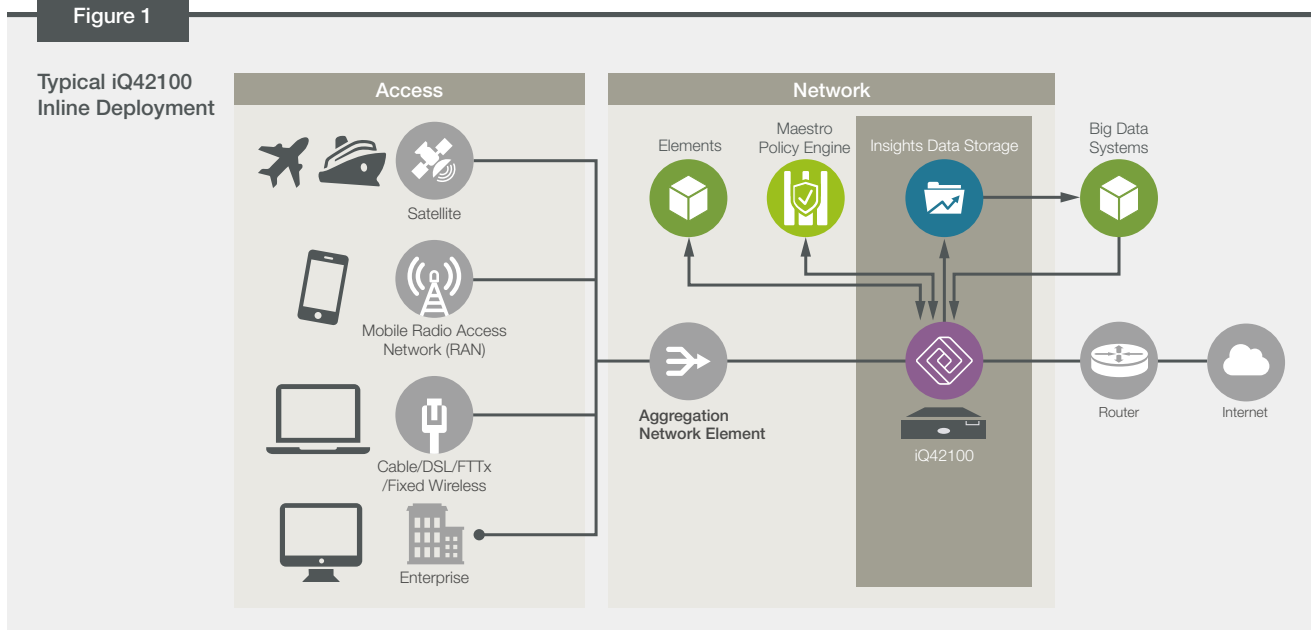
The iQ42100 Qualified Software Appliance is a high-performance appliance suitable for small to medium-sized deployments and designed for service providers and enterprises seeking cost-effective network deployments. Compatible with Sandvine's Application Quality of Experience (App QoE) and network intelligence suite, the iQ42100 Qualified Software Appliance enables organizations to analyze, optimize, and monetize their network traffic.

The iQ42100 Qualified Software Appliance is based on the 2RU Dell PowerEdge R760 reference server model, powered by Sandvine Linux and the Sandvine Installation Engine, offering up to 100Gbps of throughput. It features 16 x 1/10GbE ports for traffic and 4 x 10/25GbE ports for Admin, AUX and System side roles, supporting up to 4 million subscribers and 20 million connections. The iQ42100 Qualified Software Appliance can be configured to support a broad range of use cases enabled by Sandvine across multiple solution areas. Designed for smaller networks, or for use in conjunction with larger models, the iQ42100 Qualified Software Appliance can be deployed regionally or for lower bandwidth requirements to optimize total cost of ownership (TCO).

WHAT IS A SANDVINE QUALIFIED SOFTWARE APPLIANCE?

Sandvine's Qualified Software Appliances are prepackaged Software OS plus Application software qualified, and performance tested (dimensioned) on specific PowerEdge rack server

Figure 1



models from Dell Technologies™. This new appliance series will allow customers to transition from multi-vendor procurement to a centralized, single-source supplier, migrating server technology procurement from international to regional supply chains to allow improved lead times, regional pricing, and local sales and support presence.

SAVE ON TOTAL COST OF OWNERSHIP

Every dollar counts. That's why repurposing, refitting or re-using server technology is important for most organizations who have moved away from proprietary technology. The iQ42100 Qualified Software Appliance provides this flexibility and in turn increases the ROI of the purchased server technology.

Deploy with flexibility, utilizing fully customizable Dell portfolio parts, accessories, and refitting possibilities. Customers receive comprehensive server technology-focused support services from Dell, including hardware support, protection, and advisory services. This, in combination with Intel® Xeon® Silver processors, offers a market leading price advantage per core in support of significant TCO savings.

iQ42100 SPECIFICATION HIGHLIGHTS

- Networking: 1GE, 10GE, 25GE connectivity
- Throughput: Up to 100Gbps¹
- Connections: Up to 20,000,000¹
- Connections/sec: Up to 1,000,000¹
- Subscribers: Up to 4,000,000¹
- Redundancy: Internal 10GE bypass options, External Bypass, FlowSync/QueueSync

¹Depending on configuration and network traffic profile

Rack Server	Dell PowerEdge R760, 2 rack unit (RU), 19" rack-mounted
Processor family	Intel® 4th generation Xeon® Scalable Processors
Processor models	Dual Intel Xeon Silver 4514Y 2G, 16C/32T Processors
Memory	384GB (12 x 32GB RDIMM)
Storage	960GB (2 x 960GB SSD RAID1)
Network Interface Adapters	1/10/25GE from various vendors according to Product Guide
Management Interfaces	2 x 1000BASE-T
Max # of Traffic Channels	8 x 1/10GE (SFP/SFP+)
# of Interfaces	16 x 1/10GE, 4 x 10/25GE SFP+/SFP28
Physical Interfaces:	SFP/SFP+ 1/10GE SR, SFP/SFP+ 1/10GE LR
Sandvine Software Application	ActiveLogic LTS 25.40 or higher
Sandvine OS	Sandvine Linux
Software Installation Process	Sandvine Installation Engine

Sandvine provides detailed specification sheets to assist in ordering correct Dell server hardware and other third-party components. Regulatory and environmental information for the servers can be obtained from the Dell website. **All content in this datasheet is subject to updates at Sandvine's discretion. Please ensure you are referring to the most current version for the latest information.**

ABOUT SANDVINE

Sandvine's cloud-based App QoE 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.



USA
5800 Granite Parkway
Suite 170
Plano, TX 75024
USA

EUROPE
Neptunigatan 1
211 20, Malmö
Skåne
Sweden
T. +46 340.48 38 00

CANADA
410 Albert Street,
Suite 201, Waterloo,
Ontario N2L 3V3,
Canada
T. +1 519.880.2600

ASIA
Arliga Ecoworld,
Building-1, Ground Floor,
East Wing Devarabeesanahalli,
Bellandur, Outer Ring Road,
Bangalore 560103, India
T. +91 80677.43333

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