



iQ52600 Qualified Server Appliance

High performance, 2RU network intelligence and policy enforcement COTS platform

KEY CAPABILITIES

- Traffic identification and classification
- Congestion management
- Traffic prioritization
- Application-layer traffic management
- Statistics collection and streaming
- Advanced application-based traffic steering

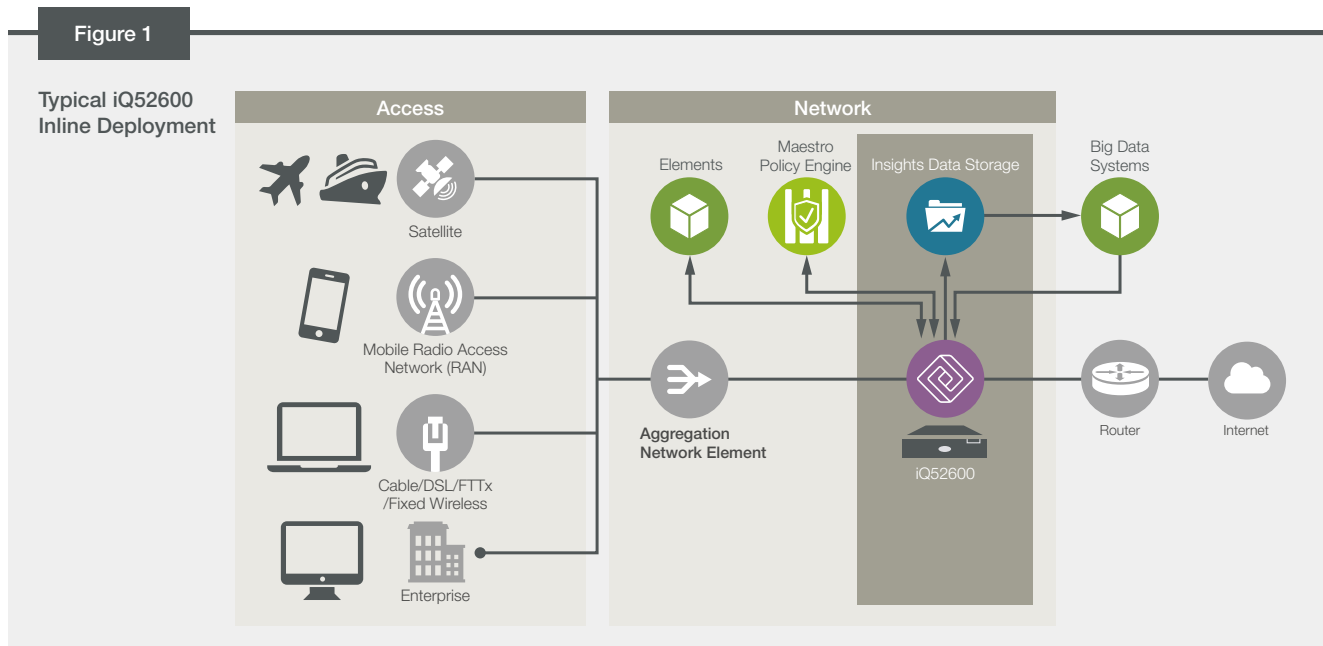
The iQ52600 Qualified Server appliance is a high-performance, scalable, commercial-off-the-shelf (COTS) solution designed for service providers and enterprises seeking cost-effective network deployments. Compatible with Sandvine's Application Quality of Experience (App QoE) and network intelligence suite, the iQ52600 enables organizations to analyze, optimize, and monetize their network traffic.

The iQ52600 Qualified Server appliance is a high performance 2RU appliance reference model powered by Sandvine Linux and the Sandvine Installation Engine, offering up to 640Gbps of throughput, accessible by 8 100GE networking, data intersect ports. It can be configured to support a broad range of use cases enabled by Sandvine across multiple solution areas.

WHAT IS A SANDVINE QUALIFIED SERVER?

Sandvine's Qualified Server appliance series is a hardware reference model directed toward Dell Technologies' COTS rack servers and other third-party component vendors' global retail supply chains. 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.

Figure 1



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 iQ52600 Qualified Server appliance provides this flexibility and in turn increases the ROI of the purchased server technology.

Deploy with flexibility, with all optional parts fully customizable within the whole range of Dell portfolio parts, accessories, and refitting possibilities. Moreover, customers will be able to receive server technology-focused support services directly from Dell; hardware support, protection services, advisory services are available directly from Dell with focused efficiency.

iQ52600 SPECIFICATION HIGHLIGHTS

- Networking: 10GE, 25GE, 100GE connectivity
- Throughput: Up to 640Gbps¹
- Connections: Up to 150,000,000¹
- Connections/sec: Up to 5,000,000¹
- Subscribers: Up to 30,000,000¹
- Redundancy: External Bypass, FlowSync/QueueSync

¹Depending on configuration and network traffic profile

Rack Server	Dell PowerEdge R7625, 2 rack unit (RU), 19" rack-mounted
Processor family	Dual AMD EPYC 4th-Gen 9000-series processors
Processor models	Dual AMD EPYC 9554 or Dual AMD EPYC 9534 processors
Memory	1280GB RAM (RDIMM)
Storage	960GB
Network Interface Adapters	10/25/100GE from various vendors according to Product Guide
Management Interfaces	2 x 1000BASE-T
Max Number of Traffic Channels	4 x 100GE (QSFP28)
Number of Interfaces	8 x 100GE QSFP28, 8 x 25/10GE SFP+/SFP28
Physical Interfaces:	QSFP28 100G-SR4, QSFP28 100G-LR4, SFP28 25GE SR, SFP28 25GE LR, SFP+ 10GE SR, SFP+ 10GE LR
Sandvine Software Application	ActiveLogic LTS 24.40 or higher
Sandvine OS	Sandvine Linux
Software Installation Process	Sandvine Installation Engine

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](https://twitter.com/Sandvine).



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