



iQ42300 Qualified Software Appliance



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

KEY CAPABILITIES

AppLogic Networks iQ42300 Qualified Software Appliances enables a full suite of network intelligence and policy enforcement capabilities, including:

- Ideal for core 10GE and 100GE Deployments in a medium Footprint
- Deployment & Management with AppLogic Installation Engine
- Up to 320Gbps Inspection Capacity¹
- 8 x 100GE Ports for Traffic and 8 x 10GbE ports
- Up to 10 Million Subscribers¹
- Up to 100 Million Connections¹
- Higher performance, improved memory bandwidth

¹ Depending on configuration and network traffic profile

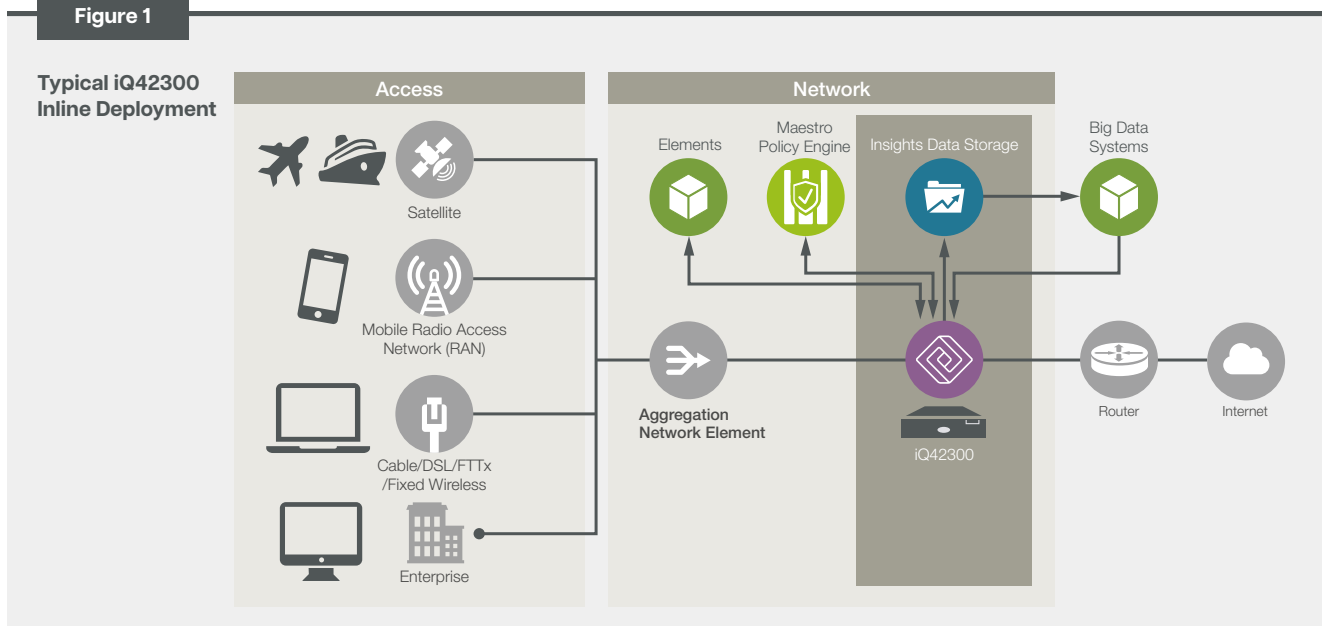
The iQ42300 Qualified Software Appliance is a high-performance, scalable, commercial-off-the-shelf (COTS) based appliance designed for service providers and larger enterprises seeking cost-effective network deployments. Compatible with AppLogic Networks' Application Quality of Experience (App QoE) and network intelligence suite, the iQ42300 Qualified Software Appliance enables organizations to analyze, optimize, and monetize their network traffic.

The iQ42300 Qualified Software Appliance is based on the 2RU Dell PowerEdge R760 reference rack server model powered by AppLogic Networks Linux and the AppLogic Networks Installation Engine, offering up to 320Gbps of throughput. It features 8 x 100GE ports for traffic and 8 x 10GbE ports, supporting up to 10 million subscribers and 100 million connections. The iQ42300 Qualified Software Appliance can be configured to support a broad range of use cases enabled by AppLogic Networks across multiple solution areas. Designed to work for smaller networks or in conjunction with the larger scale iQ42300 Qualified Software Appliance can be deployed regionally or for smaller bandwidth requirements to optimize total cost of ownership (TCO).

WHAT IS A APPLOGIC NETWORKS QUALIFIED SOFTWARE APPLIANCE?

AppLogic Networks' Qualified Software Appliances are prepackaged Software OS plus Application software qualified, and performance tested (dimensioned) on specific Dell PowerEdge rack server 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.

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 iQ42300 Qualified Software Appliances 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. Leveraging the latest investments, AppLogic Networks benefits from higher core density per server, faster server interconnect speeds (PCIe backplane) for improved signal reliability and performance, and faster memory speeds (DDR5) for enhanced data plane traffic flow processing. These technical enhancements deliver optimal TCO for our customers.

iQ42300 SPECIFICATION HIGHLIGHTS

- Networking: 10GE, 25GE, 100GE connectivity
- Throughput: Up to 320Gbps¹
- Connections: Up to 100,000,000¹
- Connections/sec: Up to 5,000,000¹
- Subscribers: Up to 10,000,000¹
- Redundancy: 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 Gold 6438N 2G, 32C/64T Processors
Memory	768GB RAM (12 x 64GB RDIMM)
Storage	960GB (2 x 960GB SSD RAID1)
Network Interface Adapters	10/25/100GE from various vendors according to Product Guide
Management Interfaces	2 x 1000BASE-T
Max # of Traffic Channels	4 x 100GE (QSFP28)
# 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
AppLogic Networks Software Application	ActiveLogic LTS 24.40 or higher
AppLogic Networks OS	AppLogic Networks Linux
Software Installation Process	AppLogic Networks Installation Engine

AppLogic Networks 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 AppLogic Networks' discretion. Please ensure you are referring to the most current version for the latest information.**

ABOUT APPLIC NETWORKS

AppLogic Networks' 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 <https://www.applogicnetworks.com> or follow AppLogic Networks on X @AppLogic Networks.



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