



## iQ42100 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' 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 AppLogic Installation Engine SIE
- Up to 100Gbps inspection throughput<sup>1</sup>
- 16 x 10GE ports for Traffic and 4 x 10/25GE ports for Admin, AUX and System roles
- Up to 4 Million subscribers<sup>1</sup>
- Up to 20 Million connections<sup>1</sup>

<sup>1</sup> Depending on configuration and network traffic profile

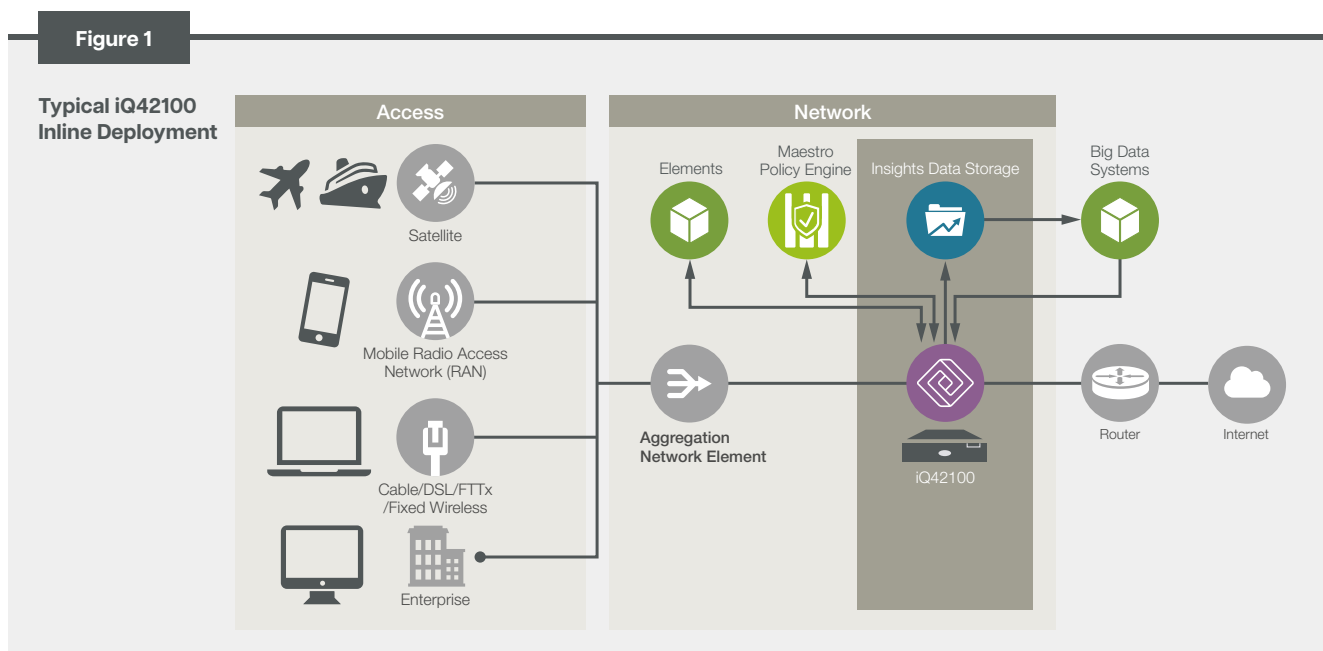
**The iQ42100 Qualified Software Appliance is a high-performance appliance suitable for small to medium-sized deployments and designed for service providers and enterprises seeking cost-effective network deployments. Compatible with AppLogic Networks' Application Quality of Experience (App QoE) and network 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 AppLogic Networks Linux and the AppLogic Networks 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 AppLogic Networks 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 AN APPLOGIC NETWORKS QUALIFIED SOFTWARE APPLIANCE?

AppLogic Networks' Qualified Software Appliances are prepackaged Software OS plus Application software qualified, and performance tested (dimensioned) on specific 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 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 100Gbps<sup>1</sup>
- Connections: Up to 20,000,000<sup>1</sup>
- Connections/sec: Up to 1,000,000<sup>1</sup>
- Subscribers: Up to 4,000,000<sup>1</sup>
- Redundancy: Internal 10GE bypass options, External Bypass, FlowSync/QueueSync

<sup>1</sup>Depending on configuration and network traffic profile

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