# AppLogic NETWORKS

## iQ52600 Qualified Software 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
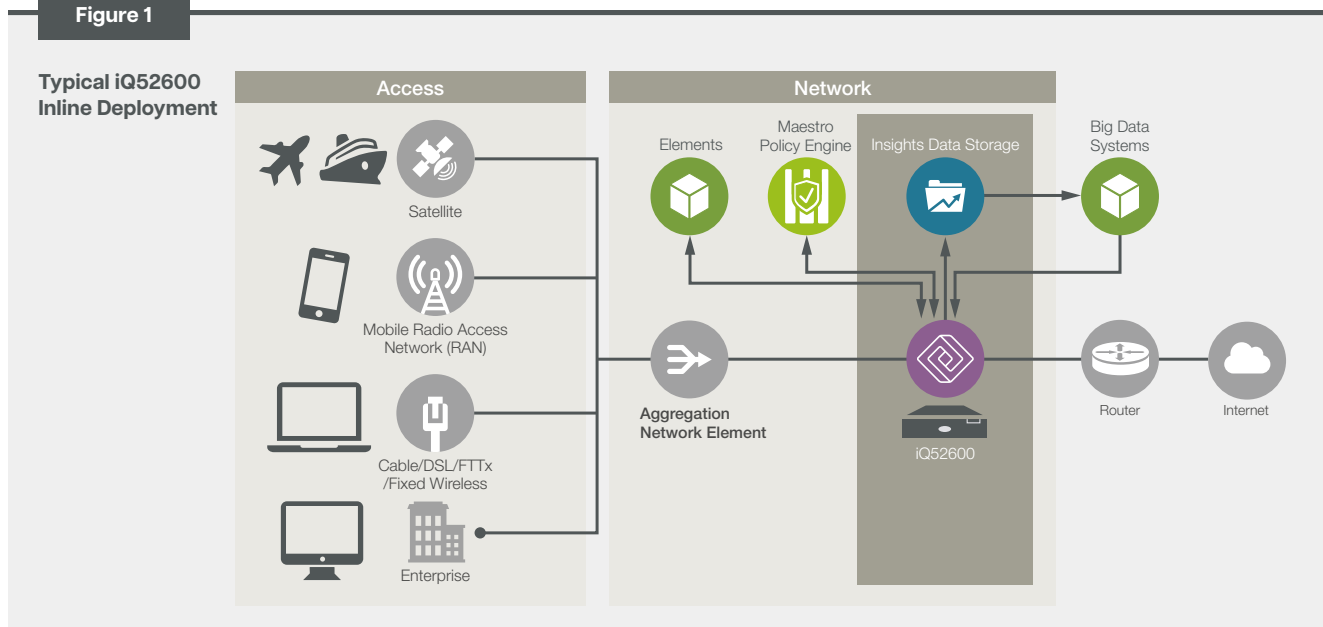- Advanced application-based traffic steering

**The iQ52600 Qualified Software 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 AppLogic Networks' 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 Software Appliance is a high performance 2RU appliance reference model powered by AppLogic Networks Linux and the AppLogic 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 AppLogic Networks across multiple solution areas.

### WHAT IS AN APPLOGIC NETWORKS QUALIFIED SERVER?

AppLogic Networks' Qualified Software 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**

**Typical iQ52600 Inline Deployment**



Access
- Satellite
- Mobile Radio Access Network (RAN)
- Cable/DSL/FTTx /Fixed Wireless
- Enterprise

Network
- Elements
- Maestro Policy Engine
- Insights Data Storage
- Big Data Systems
- Aggregation Network Element
- iQ52600
- Router
- Internet

## 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 Software 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 HIGHLIIGHTS

- Networking: 10GE, 25GE, 100GE connectivity
- Throughput: Up to 640Gbps[1]
- Connections: Up to 150,000,000[1]
- Connections/sec: Up to 5,000,000[1]
- Subscribers: Up to 30,000,000[1]
- Redundancy: External Bypass, FlowSync/QueueSync

[1]Depending 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 |
| **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**

| USA | EUROPE | CANADA | ASIA |
|---|---|---|---|
| 5800 Granite Parkway | Neptunigatan 1 | 410 Albert Street, | Arliga Ecoworld, |
| Suite 170 | 211 20, Malmö | Suite 201, Waterloo, | Building-1, Ground Floor, |
| Plano, TX 75024 | Skåne | Ontario N2L 3V3, | East Wing Devarabeesanahalli, |
| USA | Sweden | Canada | Bellandur, Outer Ring Road, |
| | T. +46 340.48 38 00 | T. +1 519.880.2600 | Bangalore 560103, India |
| | | | T. +91 80677.43333 |