



iQ1881 Platform

High Performance, 2RU application and network intelligence platform



Sandvine's iQ1881 appliance is designed for large scale Insights Data Storage deployments for fixed and mobile networks with extensive subscriber amounts. iQ1881 will allow for footprint reduction and improved total cost of ownership compared to previous solutions.

KEY BENEFITS

- Built for networks with high subscriber count for Insights Data Storage
- Optimized TCO with cutting-edge COTS and processor technology, achieving high performance with smaller footprint
- Horizontally scales to easily adapt to increasing analytics data and deploying additional use cases

iQ1881, when hosting Insights Data Storage, acts as the control and storage node in an ANI deployment, which is responsible for the collection, aggregation and processing of analytics data including, Score, Traffic, and Flow data distributed by ActiveLogic.

This COTS-based appliance provides fixed and mobile operators the ability to scale horizontally, with ease, when necessary to adapt to increased network load or for deploying new use cases.

KEY USE CASES

The iQ1800 series supports Sandvine's Active Network Intelligence use case, including:

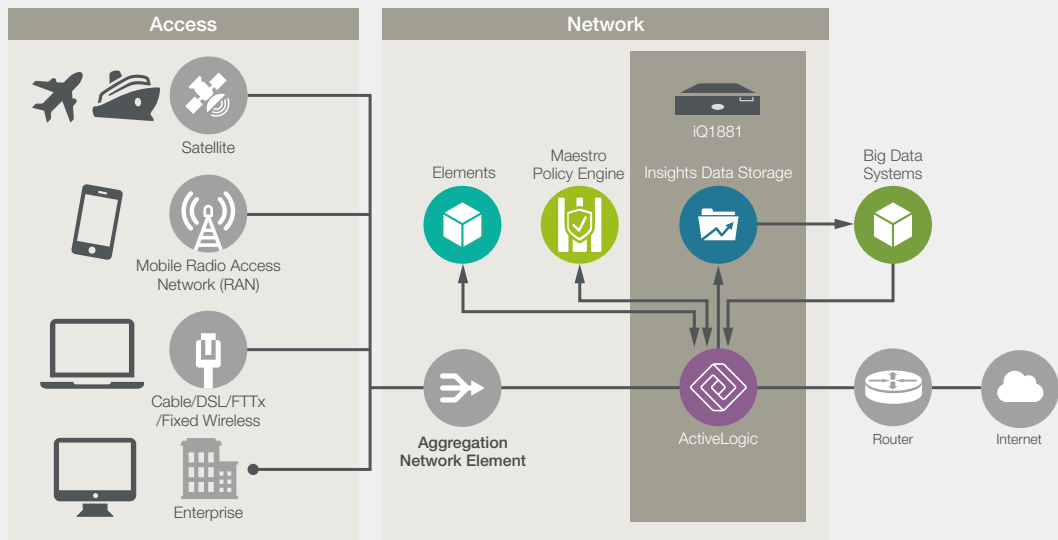
- Performance and Operational Monitoring
- Service and Subscriber Monitoring
- Performance Analysis
- Capacity Planning Analysis
- Real-Time Subscriber Insights
- User Behavior and Demographic Analysis
- Video QoE Analysis
- Gaming QoE Analysis
- Home Network Diagnostics

KEY CAPABILITIES

- Analytics platform designed for next generation networks requiring real-time data collection and processing from ActiveLogic
- Carrier-class storage for application and QoE analysis suitable for large-scale deployments with millions of subscribers
- Computational capacity for complex analytics and machine learning, which is critical for understanding how well applications are performing on the network
- Big data lake integration to stream data for further analysis via Kafka or ODBC interface
- Near real-time and historical data to be presented through Deep Insights and the ANI Portal for multi-team monitoring and planning, which can be customized as needed

Figure 1

Typical iQ1881
Inline Deployment



iQ1881 SPECIFICATIONS



Management Interfaces	2 x 1GbE RJ-45 and 2 x 10GE SFP+ Ports.
Console Interfaces	1 x DB9 Serial Interface
Base Platform	4 x 10GbE SFP+ 2 x 10/25GbE SFP28 2 x 960GB SSD 2 x AC or DC 1100W PSU
Add-On Options	12 x 2.4TB HDD RAID10 12 x 2.4TB HDD RAID50 24 x 2.4TB HDD RAID10
Hardware	2 RU, ReadyRails™ Sliding Rails
Dimensions	Height 86.8 mm (3.4") Width 482 mm (19") Depth 684 mm (26.9")
Weight	38.8 kg (68 lbs)
Power	Max 1200W

Insights Data Storage PERFORMANCE

Measurements	8 Dimensions (Supported Subscriber Count)	15 Dimensions (Supported Subscriber Count)	23 Dimensions (Supported Subscriber Count)
Mobile	1200K	1100K	950K
Fixed	425K	350K	275K

*Performance may vary based on deployed use cases

ABOUT SANDVINE

Sandvine's cloud-based Application and Network Intelligence 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
Svärdfiskgatan 4
432 40 Varberg,
Halland
Sweden
T. +46 340.48 38 00

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

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

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