

Quick Comparison

GENBAND - QUANTiX SBC

- Deep worldwide SBC and balanced access and interconnect deployment resume
- Improved media performance and high focus on OpEx reduction
- Strong dynamic routing and analytics capabilities
- Fortified with WebRTC and DEA functionality
- Based on COTS IT-based software system
- The GENBAND QUANTiX Session Border Controller (SBC) portfolio is very strong among compared SBC products. The QUANTiX SBC delivers significant deployment flexibility and is capable of being configured as a COTS IT-based software system, an integrated SBC in an appliance form factor, an SBC on the GENiUS ATCA platform or delivered as a service over the company's NUViA cloud offering. GENBAND has endowed the QUANTiX Q series with a strong focus on OpEx-reducing features, such as energy consumption and network-wide licensing. Also, while packaged in appliance format it is fully COTS IT-based including Intel DPDK technology making it ripe for later NFV deployment. GENBAND has also smartly fortified QUANTiX with WebRTC and Diameter edge agent (DEA) functionality in addition to complementing it with a strong policy-based routing and analytics support in the Real-time Session Manager (RSM).

GENBAND Current Perspective (Very Strong)

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- The GENBAND QUANTiX Series of SBCs has a deep deployment resume. Shipping since 2001, the GENBAND's SBC has been installed and utilized by more than 650 service providers and enterprises in over 80 countries worldwide. Second only to the acknowledged market leader, Oracle, and with an approximately equal proportion of deployments as an access or peering device, the QUANTiX SBC has proven to be a popular choice for operators in both SBC use-cases
- GENBAND has successfully positioned QUANTiX as part of a holistic session management system. The GENView Real-time Session Manager (RSM) supports dynamic routing using policies and session analytics, rich service awareness and real-time monitoring. The ability not only to route dynamically, but then to monitor quality network-wide and take corrective actions, is a strong tool in the hands of operators looking to optimize their networks at a session level for maximum profitability.
- The QUANTiX SBC writes CDR with 190+ field of data. "Session detail records" captures records for not just voice calls but all types of multimedia sessions - voice, video, IM, fax, RCS, file transfer.
- GENBAND Deployment is on Access & Interconnect (50/50). While Ericsson's have 70 % of their deployment on IMS access

- The QUANTiX SBC goes beyond the traditional approach of routing of sessions based on calling party number, called party number, trunk group and other static policies. It also includes capabilities to utilize dynamic policies and session analytics to inform and create routing decisions. It supports advanced dynamic routing functions including: QoS based routing, network performance based routing, least cost routing, profitability based routing, time of day based routing, and percentage based routing locally on the SBC. The QUANTiX can alternatively access routing intelligence that may reside outside the SBC (e.g., an ENUM server, a centralized router, or a softswitch) and blend it with local policies held locally on QUANTiX SBC. QUANTiX also supports dynamic adjustment of route priorities based on network performance - adjustment of route priorities based on quality of network, cost and profitability targets, quality of routes, and route availability. QUANTiX SBC has been widely deployed with built-in routing capabilities supported in a single appliance or ATCA blade, up to 2 million routes

Ericsson - Session Border Gateway (SBG)

- Currently no COTS IT-based SBG deployment option
- Volume of live traffic deployments lags that of SBC market veterans
- Less built-in wireline codec conversion capability
- Built on proprietary hardware
- Higher session price compared to others
- Most of Ericsson deployment on Access side bundled with VoLTE IMS Core
- SPG lack reporting capability, SLA, and proactive routing which all available on the RSM natively and in real time, they will require to have props and another system to measure ASR, R-Factor ,... etc., and it will not be in real time.
- SPG lack the LCR & LLCR which is being used now within TE DATA, and they will need to have 3rd party to do that and it will be in the switch level.