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RD_P1020MSGBS: QorIQ P1020 Multi-service Business Gateway Appliance Solutions ☆

Overview   **Documentation**   **Buy / Parametrics**   **Training & Support**

Buy

Freescale's P1020 Multi-service Business Gateway (MSBG) solution integrates VortiQa Secure SMB Software with D2 Technologies vPort VoIP software to provide a production ready solution in a single product. The solution is designed to help OEMs quickly and cost effectively create a range of business gateway applications including unified threat management (UTM) appliances, secured routers, VoIP gateway, VPN routers and secured switches. Designed to deliver outstanding performance-to-price ratios and dramatically shorten development cycles, the solution tightly integrates optimized low-level software and production-ready boards with Freescale's VortiQa application software and multicore PowerQUICC and QorIQ processors.

D2 Technologies' vPort solutions deliver the high voice quality, efficiently tuned system implementation, and broad OS support necessary for manufacturers to build winning VoIP solutions. With vPort, OEMs and ODMs can quickly and cost-effectively develop a broad range of VoIP-enabled devices without being distracted from product platform design and branding.

Freescale's QorIQ processors deliver ultra-high performance to enable the flexibility and scalability to run a large number of services simultaneously. Products based on the new MSBG solutions can run security applications on one core while running office applications on a second core, giving service providers the flexibility to easily add or subtract office features.
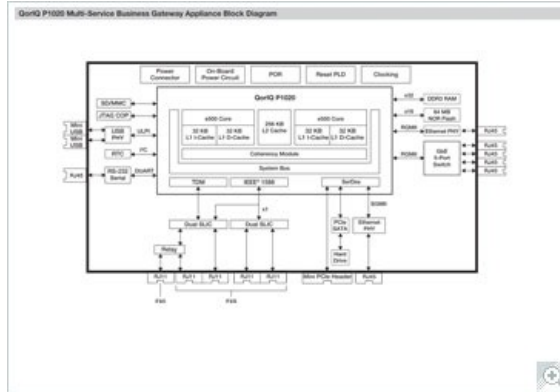
Features

- P1020 in 45nm SOI operating at 533-800MHz dual core e500 processor with 256KB L2 cache with ECC
- 256MB to 512MB DDR3 SDRAM
- 4 FXS ports
- 1 FXO port
- 1 GbE RGMII port
- 1 GbE SGMII port
- 1 GbE port connected to RGMII 5-port switch
- 2 mini-USB 2.0 ports
- 1 mini-PCI Express connector
- 1 PCI Express
- VortiQa software with Stateful Packet Inspection Firewall and NAT - performance optimized IPsec Virtual Private Network (VPN) with Quality of Service (QoS) and Traffic Management (TM)

D2 Technologies optimized voice

- G.711-Alaw
- G.711-MuLaw
- G.729AB
- G.726 Voice Compression
- G.168 Echo Cancellation

Advanced telephony

- Full Distributed Unicast Conferencing
- Call forwarding
- Call Waiting/ Caller ID.

Featured Documentation

P1020_MSBG_FS: Multi-Service Business Gateway MSBG P1020 Fact Sheet

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