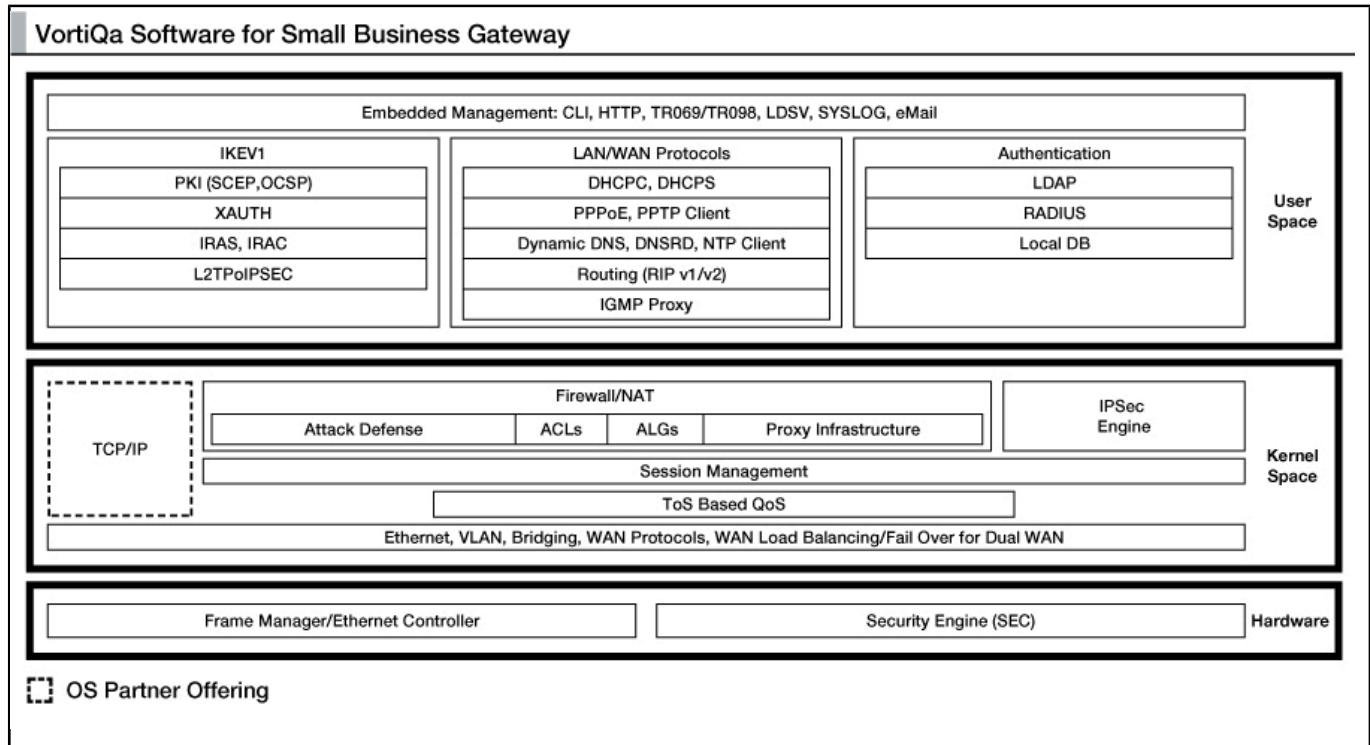# VortiQa Software for Small Business Gateways

SME

Last Updated: Apr 10, 2022

VortiQa® software for small business gateways is a production-ready security and convergence solution specifically tailored for small and branch office gateways. This software product line offers a high-performance, feature-rich security product and yet provides simplified management interfaces. It supports load-balancing and fail-over via separate WAN connections. The software architecture is performance-tuned for PowerQUICC® and QorIQ® processors.

VortiQa software for small business gateways is pre-integrated with PowerQUICC and QorIQ single- and multicore processor solutions such as the MPC8377 and the QorIQ P2020 processors. The software leverages special hardware capabilities of the PowerQUICC and QorIQ platforms such as security engine for IPSec and IKE encryption and decryption.

SMBUSINESS_BD1 Block Diagram

VortiQa Software for Small Business Gateway

Embedded Management: CLI, HTTP, TR069/TR098, LDSV, SYSLOG, eMail

IKEV1	LAN/WAN Protocols	Authentication
PKI (SCEP,OCSP)	DHCPC, DHCPS	LDAP
XAUTH	PPPoE, PPTP Client	RADIUS
IRAS, IRAC	Dynamic DNS, DNSRD, NTP Client	Local DB
L2TPoIPSEC	Routing (RIP v1/v2)	
	IGMP Proxy	

User Space

Kernel Space

TCP/IP

Firewall/NAT
- Attack Defense
- ACLs
- ALGs
- Proxy Infrastructure

IPSec Engine

Session Management

ToS Based QoS

Ethernet, VLAN, Bridging, WAN Protocols, WAN Load Balancing/Fail Over for Dual WAN

Hardware

Frame Manager/Ethernet Controller | Security Engine (SEC)

OS Partner Offering

View additional information for VortiQa Software for Small Business Gateways.

Note: The information on this document is subject to change without notice.