Встроенное программное обеспечение для всех серий роутеров

Операционная система

Операционная система	на базе OpenWRT 19 (Linux OS)

Сетевые функции

Routing	Статическая и динамическая маршрутизация (OSPFv2, BGP)
Network protocols	PPP, PPPoE, IPoE (Static, DHCP Client), TCP, UDP, ARP, IPv4, IPv6, ICMP, HTTP, HTTPS, TLS, SSL v3
Network Services	DHCP Server, NTP, DNS, FTP, VRRP, SSH, UPNP, SNMP, Wake on LAN (WOL), MQTT, Telnet client, SMTP
Connection monitoring	Ping Reboot, Periodic Reboot, LCP and ICMP for link tracking
Firewall	Port forwarding, ZONE-based rules, NAT helpers (H.323, SIP-alg, etc), pre-cofigured firewall rules, custom rules
DHCP	Статическое и динамическое распределение IP адресов, DHCP Relay, Relayd
DDNS	Быстрые настройки для основных провайдеров и возможность ручной настройки для остальных
Network backup	VRRP; Wired, Mobile of WiFi WAN. Возможность автоматического перехода на другой ресурс (Automatic Failover)

Wi-Fi (при наличии)

Wireless mode	Access Point (AP), Station (STA), Station Bridge (STA Bridge. Allows interface to be bridged)
Wi-Fi security	WPA/WPA2-Enterprise-PEAP, WPA/WPA2-PSK; AES-CCMP, TKIP, Auto Cipher modes
SSID	SSID stealth mode and access control list based on MAC address
Wi-Fi users	до 100 одновременных подключений

Безопасность

Authentication	Pre-shared key, digital certificates, X.509 certificates
Firewall	Pre-configured firewall rules (managed via Web), unlimited firewall configuration; DMZ; NAT; NAT-T
Attack prevention	DDOS prevention (SYN flood protection, SSH attack prevention, HTTP/HTTPS attack prevention), port scan prevention (SYN-FIN, SYN-RST, X-mas, NULL flags, FIN scan attacks)
VLAN	Port and tag based VLAN separation
Access control	WiFI access control (MAC address filter)

Туннели

OpenVPN	Multiple clients and a server can run simultaneously
OpenVPN Encryption	AES-128-CBC, AES-192-CBC, AES-256-CBC
IPsec	IKEv1, IKEv2. 4 encryption methods for IPsec (3DES, AES128, AES192, AES256)
GRE	GRE TUN (Layer 3), GRE TAP (Layer 2)
PPTP, L2TP	Поддержка Client mode, L2TPv3
DMVPN	DMVPN/NHRP Client/Server mode. IPSec protection в качестве дополнительной функции

Мониторинг и управление

WEB UI	HTTP/HTTPS, status, configuration, FW update, CLI, troubleshoot, event log, system log, kernel log
FOTA	Firmware update from server, automatic notification
SSH	SSH (v1, v2)
SMS	SMS status, SMS configuration, send/read SMS via HTTP POST/GET
Call	Reboot, Status, Mobile data on/off, Output on/off
SNMP	SNMP (v2c, v3)
MODBUS	MODBUS TCP Server

Кастомизация прошивки

Operating system	OpenWrt 19 based Linux OS
Поддерживаемые языки	Busybox shell, Lua, C, C++
Средства разработки	SDK package with build environment provided