RETICEN8™

NGFW
MARGE 20

Designed to safeguard your network from both known and emerging threats, **Marge 20** the Next Generation Firewall combines advanced threat intelligence with robust security features, ensuring your sensitive data remains secure and your online activities stay private.

Features

- Dynamic Dashboard
- Modern User Interface
- Stateful Firewall
- Firewall Aliases
- Traffic Shaper
- Two-Factor Authentication (2FA)
- Captive Portal
- VPN
- High Availability & Hardware Failover (CARP)
- Web Filtering
- Application Filtering
- Intrusion Detection & Prevention (IDPS)
- SSL Fingerprinting
- Backup & Restore
- Reporting & Monitoring
- Logs (Downloadable in CSV, HTML, TXT, XLS Formats)
- CLI
- Firmware and Signature Updates both Online and Offline

- System Health, the modern take on RRD Graphs
- Supports LAGG, LACP and Failover
- Netflow
- DNS Server
- AD and LDAP Integration (Kerberos SSO, AD Implementation & Authentication)
- Rollback to configuration history.
- Encrypted cloud backup option to Google Drive
- Stateful inspection Firewall
- Granular control over state table
- 802.1Q VLAN support
- Intrusion Detection and Inline Prevention
- Built-in support for Emerging Threats rules
- Scheduler for periodic automatic updates

Specifications

Form Factor	Desktop
CPU	Intel® Celeron® 4C/4T 2.0 Ghz
Memory	8 Gb DDR4 2400 MHz
Storage	SSD : 128 Gb
Input	100 V ~ 240 V
Ethernet	4 x LAN: 2.5 GbE RJ45
Dimensions (LxWxH)	185*175*35 mm

Display output	1*Standard HDMI interface
Power Supply	50Hz~60 Hz Output 12 V, 3.3 A 40 W
Operating Temperature	Working temp: –10℃~60℃, Storage temp: –20℃~70℃
I/O Interface	2 x USB 3.0
Expansion	1*MPCIE support WiFi and 4G LTE (SIM card interface)
Humidity	5%~95% relative humidity, non-condensing

Capabilities

Concurrent Connections	7000000
New Connections per Second	38000
Firewall Throughput	4.6 Gbps
VPN Throughput	1.8 Gbps
NGFW Throughput	2.5 Gbps
Antivirus Throughput	2.5 Gbps
IPS Throughput	3.1 Gbps
IMIX Throughput	4.8 Gbps
VPN Tunnels	100
HA (CARP)	Yes

Standard Packaging List

Power Card	1
NGFW	Marge 20

Features

Stateful Firewall

- Filter By – Source, Destination, protocol, Port, OS(OSFP)
- Limit simultaneous connections on per rules base.
- Log matching traffic on a per rule base.
- Policy based routing
- Packet normalization
- Option to disable filter for pure router mode.

Granular Control State Table

- Adjustable state table size.
- On a per rule bases limit simultaneous client connection
- Limit state per host
- Limit new connections per second.
- Define state timeout.
- Define state type (Keep, sloppy, Modulate, Synproxy, None)
- Optimization options (Normal, High latency, Aggressive, Conservative)

Authentication (2FA/ MFA)

- Supports TOTP
- AAA, AAAA
- Google Authenticator
- Services supported :
  - Captive Portal
  - Web Filter and Proxy
  - VPN
  - GUI
- 802.1 Q VLAN support
- max 4096 VLAN's

IGMP Proxy

- For multicast routing universal plug and play.
- Fully supported

GSUITE Credential Access Control

Network Address

- Translation
  - Port Forwarding
  - 1:1 of ip's & subnets
  - Outbound NAT
  - NAT reflection
- Rule based matching
  - Protocol
  - Source
  - Destination
  - Port
  - Direction

WAF

SDWAN

Antispam

DNS Server

- Host overrides
- Supports DNS
- Domain overrides
- Host Overrides
  - A records
  - MX records

DHCP server

- IPv4 & IPv6
- Relay Support
- BOOTP options

Multi WAN

- Load balancing
- Failover
- Aliases

SNMP

- Monitor and Traps

Network Time Server

- Hardware devices
  - GPS
  - Pulse per second

Web Proxy and Filter

- Content Filtering
- Categories based Application filtering.
- Whitelists and Blacklists
- Applicable on Users, groups and interfaces

Intrusion Detection & Prevention

- Inline prevention
- Integrated Rulesets
- SSL blacklists
- Feodo Tracker
- Emerging threats
- SSL Fingerprinting
- Auto rule update using configurable cron.

Captive Portal

- Typical Applications
  - Guest network
  - Custom wallpaper
  - Custom flash message
  - Multiple zones
- Authenticators
  - LDAP
  - Radius
  - Local user manager
  - Vouchers/ tickets
- Multiple Voucher Databases
  - Export vouchers to CSV
  - Timeouts and Welcome back
- Bandwidth Management
  - Share evenly
  - Prioritize
  - Ports
  - IP
- Portal bypass
  - MAC & IP whitelisting
- Real time reporting
- Live top IP bandwidth
- Usage
  - Active sessions
  - Time left

Zero day Protection

Geofencing

Application Filter

- Categories based Application filtering.
- Whitelists and Blacklists
- Applicable on interfaces

CICAP

- supports virus scan

Virtual Private Network

- IPSec
  - Site to site
  - Road Warrior
- OpenVPN (SSL)
  - Site to site
  - Road Warrior
  - Easy client configuration exporter
- Wireguard
- PPTP (Legacy)
- LT2P (Legacy)

High Availibility

- Automatic hardware failover
- Synchronized state table configuration
- Synchronisation

System Health

- Round Robin Data
- Selection & Zoom
- Exportable

Backup and Restore

- History
- Configuration Backup
- Cloud Backup

Firmware*

- Easy Upgrade
- Rollbacks to previous version/s
- Reboot warning for major releases.

Caching Proxy

- Multi Interface
- Transparent mode
- Access Control List
- Blacklists
- Traffic management

Diagnostics

- Filter reload status
- Firewall Info (PInfo)
- Top Users (pfTop)
- Firewall tables
  - Aliases
  - Bogons
- Current Open sockets
- Show all states
- State reset
- State summary
- Wake on LAN
- Traffic graph
- ARP table
- DNS lookup
- NDP Table
- Ping
- Packet Capture
- Test port
- Traceroute
- Traffic graph

Network Monitoring

- Netflow exporter
- Network flow analyser
- fully integrated CSV exporter

Support

- Reticen8 Support

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