

NEXT-GENERATION FIREWALL (NGFW) High-end Security with Powerful Protection



US & EU Platform Technologies



More than 200,000 Popular Firewall/Intrusion Prevention/Detection Rules



FreeBSD



SURICATA

proofpoint.



CrowdSec

freeRADIUS



MAXMIND



ITS-8000RF



With firewall throughput of up to 130 Gbps and UTM throughput up to 18 Gbps, the ITS-8000RF is one of our fastest security appliance ever. This level of performance, paired with powerful security, flexible high-port density, and affordability makes these the ideal solutions. Protect your business network and secure your connections from the stateful inspection firewall to the inline intrusion detection & prevention system everything is included for free.

Technical Specifications

Model	ITS-8000RF
Capacity utilization	
Scales	Core router: support 3,000 devices Firewall: support 1,600 devices IDS/IPS: support 1,000 devices VPN: support 1,000 devices
Platform	
OS and Integrated Applications (Open Source)	FreeBSD/OPNsense Suricata/freeRADIUS/ClamAV
Security definition rule sets (Rely on CVE & Community updates)	Proofpoint/CrowSec/ITServing
Customized, Preinstalled Software, Optimizing Default Configuration	ITServing®
License	All free (Licensed under and OSI Approved License)
Additional Support Options (yearly)	
ITSS Standard (yearly)	Standard support (1 year included)
ITSS Ultra Plus (yearly)	Monitor/ System upgrade & maintenance
Physical interfaces	
Default RJ45 Ports 1Gb	1 LAN/1 WAN
Standard expansion slots	Options for 4 expansion slots: 4SFP, 4RJ45, 2SFP2RJ45, 4SFP4RJ45, 8SFP, 8RJ45, 2SFP+, 4SFP+, 2QSFP+
RJ45 Ports 1Gb	8
RJ45 Ports 10Gb	4
SFP Ports 1Gb	-
SFP+ Ports 10Gb	4
QSFP+ Ports 40Gb	2
USB 2.0 Ports	-
USB 3.0 Ports	2
VGA Port	1
HDMI Port	-
Console Port	1
IPMI port (default OFF)	1
Hardware Specifications	
CPU	Intel Xeon® E5
Cores	18 cores 36 threads (2.30GHz up to 3.60GHz)
Memory	128 B DDR4
Internal Storage (SSD)	2 x 500GB RAID1 (hot swappable)
Virtual Interfaces (802.1q VLANS)	4093
System performance	
Firewall Throughput	130 Gbps
Firewall Packets Per Second	10,833 Kpps
Concurrent connections	40,000,000
New Connections Per Second	500,000
NGFW Throughput	60 Gbps
IPS Throughput	50 Gbps
Threat Protection Throughput	18 Gbps
Threat Protection Throughput Packet Per Second	1,500 Kpps
Firewall Policies	> 10,000

IPS Policies	> 200,000
IPsec VPN Throughput	50 Gbps
IPsec VPN Packet Per Second (AES256GCM16)	4,166 Kpps
High Availability with State Synchronisation	Yes (requires Two)
Environment	
Power Adapter (included)	-
Power Supply (AC TO DC, 100~240V)	2 x hot swappable redundant power supply
Power Consumption	450W
Chassis	Stainless Steel
Heat Dissipation	4 x Fan
Operating Temperature	5°C to 40°C (15°C to 30°C recommended)
Storage Temperature	0°C to 60°C (10°C to 50°C recommended)
Humidity	5%-90% non-condensing
Dimensions	
Height x Width x Length (mm)	88.5 x 440 x 500
Height x Width x Length (inch)	3.5 x 17.3 x 19.7
Form Factor	1U Rackmount
Weight (Kg)	16
Regulatory Compliance	
Regulatory	FCC, CE, Rohs
Hardware Warranty	
ITSW Standard	12 months (1 year included)
ITSW Ultra Plus	48 months

All measurements are based upon TCP traffic unless stated otherwise. Total Firewall Throughput is calculated based on maximum PPS and standard 1500 byte packets. Maximum PPS is measured using 500 byte packets. IPS performance is measured using ET Open and standard 1500 byte package size (using Suricata version 6.0.12 / Netmap version 14) SSL VPN is measured using AES256GCM16+SHA512. Concurrent sessions are based upon memory available, where one state consumes 1KB of memory and 1GB of memory is reserved for system tasks.