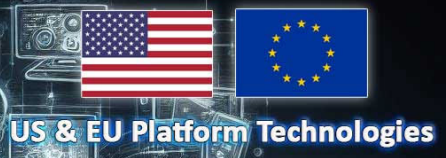


# NEXT-GENERATION FIREWALL (NGFW) High-end Security with Powerful Protection



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



## ITS-1000RF



A small Next-Generation Firewall with firewall throughput of up to 10 Gbps and UTM throughput up to 500 Mbps, the ITS-1000RF is a network protection security appliance. This level of performance, paired with powerful security, 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 specification

<b>Model</b>	<b>ITS-1000RF</b>
<b>Capacity utilization</b>	
<b>Scales</b>	<b>Core router: support 200 devices</b> <b>Firewall: support 80 devices</b> <b>IDS/IPS: support 20 devices</b> <b>VPN: support 20 devices</b>
<b>Platform</b>	
<b>OS and Integrated Applications (Open Souce)</b>	FreeBSD/OPNsense Suricata/freeRADIUS
<b>Security definition rule sets (Rely on CVE &amp; Community updates)</b>	Proofpoint/CrowSec/ITServing
<b>Customized, Preinstalled Software, Optimizing Default Configuration</b>	<b>ITServing®</b>
<b>License</b>	All free (Licensed under and OSI Approved License)
<b>Additional Support Options (yearly)</b>	
<b>ITSS Standard (yearly)</b>	Standard support (1 year included)
<b>ITSS Ultra Plus (yearly)</b>	Monitor/ System upgrade & maintenance
<b>Physical interfaces</b>	
<b>Default RJ45 Ports 2.5Gb</b>	4 x 2.5GbE
<b>Standard expansion slots</b>	-
<b>RJ45 Ports 1Gb</b>	-
<b>RJ45 Ports 10Gb</b>	-
<b>SFP Ports 1Gb</b>	-
<b>SFP+ Ports 10Gb</b>	-
<b>QSFP+ Ports 40Gb</b>	-
<b>USB 2.0 Ports</b>	2/4
<b>USB 3.0 Ports</b>	2
<b>VGA Port</b>	-
<b>HDMI Port</b>	-
<b>Console Port</b>	0/1
<b>IPMI port (default OFF)</b>	-
<b>Hardware Specifications</b>	
<b>CPU</b>	Intel Xeon® E3
<b>Cores</b>	4 cores 4 threads (3.00GHz up to 3.50GHz)
<b>Memory</b>	32GB DDR4
<b>Internal Storage (SSD)</b>	2 x 250GB RAID1
<b>Virtual Interfaces (802.1q VLANS)</b>	4093
<b>System performance</b>	
<b>Firewall Throughput</b>	10 Gbps
<b>Firewall Packets Per Second</b>	800 Kpps
<b>Concurrent connections</b>	600,000
<b>New Connections Per Second</b>	20,000
<b>NGFW Throughput</b>	3 Gbps
<b>IPS Throughput</b>	1 Gbps
<b>Threat Protection Throughput</b>	500 Mbps
<b>Threat Protection Throughput Packet Per Second</b>	42 Kpps
<b>Firewall Policies</b>	> 10,000
<b>IPS Policies</b>	> 200,000
<b>IPsec VPN Throughput</b>	3 Gbps

<b>IPsec VPN Packet Per Second (AES256GCM16)</b>	250 Kpps
<b>High Availability with State Synchronisation</b>	Yes (requires Two)
<b>Environment</b>	
<b>Power Adapter (included)</b>	DC 12V3A/ 36W (AC TO DC, 100~240V)
<b>Power Supply (AC TO DC, 100~240V)</b>	-
<b>Power Consumption</b>	36W
<b>Chassis</b>	Aluminum Alloy
<b>Heat Dissipation</b>	Fanless (Passive Cooling with Heat Sink Aluminum Radiator)
<b>Operating Temperature</b>	0°C to 50°C (5°C to 40°C recommended)
<b>Storage Temperature</b>	-10°C to 70°C (0°C to 50°C recommended)
<b>Humidity</b>	5%-95% non-condensing
<b>Dimensions</b>	
<b>Height x Width x Length (mm)</b>	40 x 126 x 136
<b>Height x Width x Length (inch)</b>	1.5 x 5.0 x 5.4
<b>Form Factor</b>	Wall Mounted/VESA/Desktop
<b>Weight (Kg)</b>	1
<b>Regulatory Compliance</b>	
<b>Regulatory</b>	FCC, CE, Rohs
<b>Hardware Warranty</b>	
<b>ITSW Standard</b>	12 months (1 year included)
<b>ITSW Ultra Plus</b>	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.*