

بِسْمِ اللّٰهِ الرَّحْمٰنِ الرَّحِیْمِ



Ministry of Economic Development
Male',
Republic of Maldives



LOT 1

Firewall

FORTIGATE 100F

Quantity 1

FG-100F Specification	
<ul style="list-style-type: none">It should support existing Firewall FortiGate 200E	
Interfaces and Modules	
Hardware Accelerated GE RJ45 Ports	12
Hardware Accelerated GE RJ45 Management/ HA/ DMZ Ports	1/2/2001
Hardware Accelerated GE SFP Slots	4
Hardware Accelerated 10 GE SFP+ FortiLink Slots (default)	2
GE RJ45 WAN Ports	2
GE RJ45or SFP Shared Ports *	4
USB Port	1
Console Port	1
Onboard Storage	0
Included Transceivers	0
System Performance — Enterprise Traffic Mix	
IPS Throughput 2	2.6 Gbps
NGFW Throughput 2, 4	1.6 Gbps
Threat Protection Throughput 2, 5	1 Gbps
System Performance and Capacity	
IPv4 Firewall Throughput (1518 / 512 / 64 byte, UDP)	20 / 18 / 10 Gbps
Firewall Latency (64 byte, UDP)	4.97 μ s



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Firewall Throughput (Packet per Second)	15 Mpps
Concurrent Sessions (TCP)	1.5 Million
New Sessions/Second (TCP)	56,000
Firewall Policies	10,000
IPsec VPN Throughput (512 byte) 1	11.5 Gbps
Gateway-to-Gateway IPsec VPN Tunnels	2,500
Client-to-Gateway IPsec VPN Tunnels	16,000
SSL-VPN Throughput	1 Gbps
Concurrent SSL-VPN Users (Recommended Maximum, Tunnel Mode)	500
SSL Inspection Throughput (IPS, avg. HTTPS) 3	1 Gbps
SSL Inspection CPS (IPS, avg. HTTPS) 3	1,800
SSL Inspection Concurrent Session (IPS, avg. HTTPS) 3	135,000
Application Control Throughput (HTTP 64K) 2	2.2 Gbps
CAPWAP Throughput (HTTP 64K)	15 Gbps
Virtual Domains (Default / Maximum)	10-Oct
Maximum Number of FortiSwitches Supported	32
Maximum Number of FortiAPs (Total / Tunnel)	128 / 64
Maximum Number of FortiTokens	5,000
High Availability Configurations	Active / Active, Active / Passive, Clustering
Dimensions and Power	
Height x Width x Length (inches)	1.73 x 17 x 10
Height x Width x Length (mm)	44 x 432 x 254



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Weight	7.25 lbs (3.29 kg)	
Form Factor (supports EIA/non-EIA standards)	Rack Mount, 1 RU	
AC Power Supply	100–240V AC, 50/60 Hz	
Power Consumption (Average / Maximum)	35.1 W / 38.7 W	
Current (Maximum)	100V / 1A, 240V / 0.5A	
Heat Dissipation	119.77 BTU/h	
Redundant Power Supplies	Yes	
Redundant Power Supplies Yes		
Operating Temperature	32–104°F (0–40°C)	
Storage Temperature	-31–158°F (-35–70°C)	
Humidity	10–90% non-condensing	
Noise Level		40.4 dBA
Forced Airflow		Side to Back
Operating Altitude	Up to 7,400 ft (2,250 m)	
Compliance	FCC Part 15B, Class A, CE, RCM, VCCI, UL/cUL, CB, BSMI	
Certifications	ICSA Labs: Firewall, IPsec, IPS, Antivirus, SSL-VPN; IPv6	



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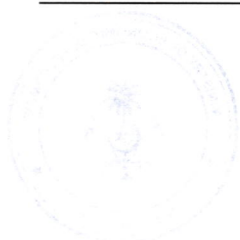
LOT 2

Network Switch

FORTISWITCH 148F-POE

Quantity 2

Hardware Specifications	
Total Network Interfaces	48x GE RJ45 and 4x 10GE SFP+
Dedicated Management 10/100 Port	0
RJ-45 Serial Console Port	1
Form Factor	1 RU Rack Mount
Power over Ethernet (PoE) Ports	24 (802.3af/at)
PoE Power Budget	370 W
Mean Time Between Failures	> 10 years
System Specifications	
Switching Capacity (Duplex)	176 Gbps
Packets Per Second (Duplex)	260 Mpps
MAC Address Storage	32 K
Network Latency	< 1 μ s
VLANs Supported	4 K
Link Aggregation Group Size	8
Total Link Aggregation Groups	128
Packet Buffers	2 MB
DRAM	512 MB DDR3
FLASH	64 MB





Dimensions	
Height x Depth x Width (inches)	1.73 x 12.20 x 17.32
Height x Depth x Width (mm)	44 x 310 x 440
Weight	10.32 lbs (4.68 kg)
Environment	
Power Required	100–240V AC, 50-60 Hz
Power Supply	AC built in
Redundant Power	No
Power Consumption (Average / Maximum)	474.8 W / 476.3 W
Heat Dissipation	195.73 BTU/h
Operating Temperature	32–113°F (0–45°C)
Storage Temperature	-4–158°F (-20–70°C)
Humidity	10–90% non-condensing
Air-Flow Direction	side-to-back
Certification and Compliance	
	FCC, CE, RCM, VCCI, BSMI, UL, CB, RoHS2





LOT 3

License Renewal for Forti-Client Endpoint Security

Quantity 300 users

300 Users Endpoint Security
Should support Intergradation Fortigate.
The Endpoint Security solution should provide enhanced antivirus protection for desktops & servers of all the attacks originating from places inside/outside of the network due to virus and/or other malicious programming code.
Includes Fabric Agent, Anti-Malware, Remote Access, Web Filter, Vulnerability Scan, Software Inventory, Application Firewall, Application Control, SSOMA, Threat Outbreak Detection, Sandbox Agent with Cloud Sandbox subscription, Central Management (On-Prem) and 24x7 Support.
Antivirus Should be capable of pushing client installation from a centralized location and it should also support the manual installation of client Via network share .
Alerts on virus activity should be passed on to administrator

