

SUNUCU VE GÜVENLİK DUVARI TEKNİK ŞARTNAMESİ

SUNUCU (2 ADET)

1. 2 adet Intel Xeon-S 4210 10-Core (2.20GHz 14MB) işlemci olmalı.
2. Her sunucuda en az DDR4-2933 MHz 128GB ram olmalı.
3. Her sunucuda en az 2 adet 500W Hot Plug power supply olmalı.
4. Her sunucuda en az 3 adet 480GB SATA 6G SFF (2.5in) SSD olmalı.
5. Her sunucuda 1 adet StoreFabric 16Gb 2-Port Fibre Channel Host Bus Adaptör olmalı.
6. Her sunucuda en az 1 adet Eth 10/25Gb 2p adaptör olmalı.
7. Her sunucu için Windows Server 2022 Standard - 16 Core lisans (1 adet user cal ile) verilmeli.
8. 1 adet SQL Server 2019 Standard Edition lisans (1 adet user cal ile) verilmeli.
9. 1 adet Academic VMware vSphere 7 Essentials Kit for 3 hosts (Max 2 processors per host) Academic Subscription lisans verilmeli.
10. Tüm donanım ürünleri üreticiye ait olmalı, oem ürünler kabul edilmeyecektir.
11. 3 yıl ertesi iş günü üretici garantisine sahip olmalı

GÜVENLİK DUVARI (1 ADET)

GE RJ45 Ports	12
GE RJ45 Management/HA/DMZ Ports	1 / 2 / 1
GE SFP Slots	4
10 GE SFP+ Slots	2
GE RJ45 WAN Ports	2
GE RJ45 or SFP Shared Ports *	4
USB Port	1
Console Port	1
Internal Storage	—
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	
Firewall Throughput (1518 / 512 / 64 byte UDP packets)	20 / 18 / 10 Gbps
Firewall Latency (64 byte UDP packets)	5 µs
Firewall Throughput (Packets 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	750 Mbps
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 (1444 byte, UDP)	15 Gbps
Virtual Domains (Default / Maximum)	10 / 10
Maximum Number of FortiSwitches Supported	24
Maximum Number of FortiAPs (Total / Tunnel Mode)	64 / 32
Maximum Number of FortiTokens	5,000
Maximum Number of Registered FortiClients	600
High Availability Configurations	Active / Active, Active / Passive, Clustering
Dimensions	
Height x Width x Length (inches)	1.73 x 17 x 10
Height x Width x Length (mm)	44 x 432 x 254
Form Factor	Rack Mount, 1 RU
Weight	7.25 lbs (3.29 kg)
Environment	
Power Required	100–240V AC, 60–50 Hz
Maximum Current	100V / 1A, 240V / 0.5A
Power Consumption (Average / Maximum)	35.1 W / 38.7 W
Heat Dissipation	119.77 BTU/h

Environment	
Operating Temperature	32–104°F (0–40°C)
Storage Temperature	-31–158°F (-35–70°C)
Operating Altitude	Up to 7,400 ft (2,250 m)
Humidity	10–90% non-condensing
Noise Level	40.4 dBA
Compliance	FCC Part 15B, Class A, CE, RCM, VCCI, UL/cUL, CB, BSMI
Certifications	ICSA Labs: Firewall, IPsec, IPS, Antivirus, SSL-VPN; IPv6