

Data Sheef

#### Overview

Nowadays, more and more cyber attacks that combine elements of multiple types of malware such as Worms, Trojans, Viruses, Spyware and etc, which can easily bypass traditional defenses and compromise networks. Traditional technology cannot defense this kind of blended attack. Furthermore, deployment of several security products in network, especially in WAN environment, could bring increasing of cost, network management complexity, single point of failure and etc.

UTM firewall is the best option for problem addressed which UTM firewall provides flexible, simple and comprehensive features. Featured with firewall, anti-virus, content filtering and IPS capability, UTM firewall can defense various new breed cyber attacks at low cost.

To provide abundant features without performance compromising, DPtech adopts self-owned "Parallel Flow Filtering Engine" technology to process multiple services simultaneously. Furthermore, DPtech UTM firewall also adopts control-plane and data-plane separation technology minimizing mutual coupling effects between two planes, which greatly improve the reliability and availability of the system.

Along with popularity of the 3G and WiFi, wireless capability becomes a critical criteria when customer choose a security appliance. With integrated WiFi and 3G modules, DPtech UTM firewall provides comprehensive threats protection in wired and wireless network.

As a one-stop solution DPtech UTM firewall is the best choice for customers who want to protect their network from cyber attacks at reasonable cost and easy deployment.

#### Series

The following are the DPtech UTM series product's portfolio.



# Features

#### **Comprehensive Support for FW/VPN Features**

- **Comprehensive design**: All in one solution with most comprehensive L2-L7 threat protection. Multi-core CPU, parallel services processing at wire-speed and separate control plane and data plane design improves system availability and reliability.
- Enhanced firewall functions: The UTM2000 series products provide basic functions such as security zone configuration, static/dynamic blacklist, MAC-IP binding, ACL application and intrusion prevention. In addition, it offers enhanced functions like status-based filtering, virtual firewall and transportation of 802.1Q-tagged packets. It protects the network against attacks of ARP spoofing, invalid TCP flag, large ICMP packets, Challenge Collapse (CC), SYN flooding, address/port scanning.
- Abundant VPN features: The UTM2000 series products support built-in encryption hardware for IPSec VPN and SSL VPN, provides remote access through L2TP, GRE, IPSec VPN and SSL VPN.
- Full support of NAT applications: The UTM2000 series products support NAT applications including many-to-one, many-to-many, static NAT, dual translation, IP Masquerade and DNS mapping. It supports NAT traversal with multiple protocols and delivers NAT ALG functions such as DNS, FTP, SIP, RTSP, H.323 and NBT.
- **High available features**: Supports the modes of active/active and active/passive, implementing load balancing and service backup.
- Meantime Between Failure (MTBF): Up to 36 years.
- Easy-to-use Web-based management system: Management based on SNMP and TR-069. Support Centralized management by UMC (Unified Management Center).

#### Advanced Security Service

- Wireless access: WiFi and 3G supported.
- **Powerful intrusion prevention capability**: The UTM2000 series products provide professional signature library with automatic signature update.
- **Real-time anti-virus**: The UTM2000 series products adopt Kaspersky's anti-virus engine to detect and remove codes of malicious attacks in time.
- URL filtering: The UTM2000 series products implements user-based URL access control to deny access to unauthorized Websites, such as the phishing websites.
- Applications identify and control: The UTM2000 series products identify P2P and IM applications of BitTorrent, Thunder, MSN, QQ, and so on. It also supports alarms, rate limiting, and interruption to ensure the operation of core services.
- **Behavior auditing**: The UTM2000 series products audit the applications of P2P, instant message, web game, mails, and data transmission and generate logs to implement behavior auditing in granularity.

# Specification

Item	UTM2000-MS-N	UTM2000-MA-N	UTM2000-ME-N
Interface	1xConsole, 8xGE,	1xConsole, 8xGE,	1xConsole, 8xGE,
	1xUSB	1xUSB	1xUSB
Slot	2 slot	2 slot	2 slot
CF Card	1GB	1GB	1GB
DDR SDRAM	2GB	2GB	2GB
Dimensions (W $\times$ D $\times$ H)	430x261x44 mm	430x261x44 mm	430x261x44 mm
Power Supply	1	1	1
Rated Voltage Max Current	100-240VAC; 1.5A	100-240VAC; 1.5A	100-240VAC; 1.5A
Max Power Consumption	54 W	54 W	54 W
MTBF	36 years	36 years	36 years
Operating Temperature	0°C to 45°C	0°C to 45°C	0°C to 45°C
	(32 to 113°F)	(32 to 113°F)	(32 to 113°F)
Relative Humidity	10% to 95%	10% to 95%	10% to 95%
Weight	3.1 kg	3.1 kg	3.1 kg
IPSec Tunnels	1,000	1,000	1,000
Max Policy	10,000	10,000	10,000
Security Zones	64	64	128
VLAN numbers	4,096	4,096	4,096
Virtual Firewall	64	64	128
SSL VPN Users	50	100	200

Table 1 Lists the Hardware Features and Performance of DPtech UTM2000-MS, MA and ME series UTM

# Table 2 Lists the Hardware Features and Performance of DPtech UTM2000-GS, GM and GA series UTM

ltem	UTM2000-GS-N	UTM2000-GM-N	UTM2000-GA-N
Interface	1xConsole, 2xGE SFP, 6xGE, 1xUSB	1xConsole, 2xGE SFP, 6xGE, 1xUSB	1xConsole, 6xGE SFP, 8xGE, 1xUSB
Slot	1 slot	1 slot	-
CF Card	1GB	1GB	2GB
DDR SDRAM	2GB	2GB	2GB
Dimensions (W $\times$ D $\times$ H)	430x261x44 mm	430x261x44 mm	430x261x44 mm
Power Supply	2	2	2
Rated Voltage Max Current	100-240VAC; 1.5A	100-240VAC; 1.5A	100-240VAC; 1.8A
Max Power Consumption	54 W	54 W	150 W
MTBF	36 years	36 years	36 years
Operating Temperature	0°C to 45°C (32 to 113°F)	0°C to 45°C (32 to 113°F)	0°C to 45°C (32 to 113°F)
Relative Humidity	10% to 95%	10% to 95%	10% to 95%
Weight	3.1 kg	3.1 kg	5 kg
Firewall Throughput	2Gbps	4Gbps	8Gbps
VPN Throughput	600Mbps	1Gbps	2Gbps
Anti-Virus Throughput	300Mbps	500Mbps	1Gbps
IPS Throughput	300Mbps	500Mbps	1Gbps
Concurrent Connections	1,000,000	1,500,000	2,000,000
New Connections per Second	30,000	60,000	100,000
IPSec Tunnels	8,000	8,000	20,000
Max Policy	10,000	10,000	10,000
Security Zones	128	256	256
VLAN numbers	4,096	4,096	4,096
Virtual Firewall	128	256	256
SSL VPN Users	300	300	300

## Table 3 Lists the Feature of DPtech UTM2000 series UTM

ltem	Description
Deployment	Routing mode, transparent mode, hybrid mode
Firewall	<ul> <li>Defense attacks: Smurf, Land, Tear Drop, Fraggle, Ping of Death, and ARP spoofing</li> <li>Support real-time attack defense, black list, and address binding</li> </ul>
VPN	<ul> <li>Support IPSec VPN, L2TP VPN, GRE VPN and SSL VPN</li> <li>Support various encryption algorithms, including DES, 3DES, AES and verification algorithms, including MD5 and SHA-1</li> </ul>
Antivirus	<ul> <li>Various viruses' protection: file viruses, network viruses, blended viruses</li> <li>Support next generation virtual antivirus engine for unknown virus</li> </ul>
Vulnerability Protection	<ul> <li>Defense application layer attacks: Trojan, phishing, spyware, adware, buffer overflow, SQL injection and etc</li> </ul>
Content Filtering	Support email filtering and URL filtering
Application Control	<ul> <li>Support P2P/IM flow control and monitor nearly 100 types of P2P/IM applications, such as BitTorrent, Thunder, eMule, QQ, MSN, PPLive and etc</li> <li>Identify more than 1,100 protocols</li> <li>Built-in URL library with over 10 million items</li> </ul>
Management	<ul> <li>Web GUI, SSH and serial port console</li> <li>Centralized management platform</li> <li>NAT logs, flow logs, URL logs and administrator logs</li> </ul>
High Availability	Active-active, VRRP, redundant power supply

# Ordering Information

### Hardware and Advanced Service List

Part Number	Model Description	Remarks
02050051	UTM2000-MS-N Host	Required
53010091	UTM2000-MS-N, Application Signature Update Service, 1 Year	Optional
53010092	UTM2000-MS-N,AV Signature Update Service,1 Year	Optional
53010093	UTM2000-MS-N,IPS Signature Update,1 Year	Optional

TM2000-MS-N,URL-Filter Signature Update Service,1 Year TM2000-MA-N Host	Optional
TM2000-MA-N Host	Doguirod
	Required
TM2000-MA-N, Application Signature Update Service, 1 Year	Optional
TM2000-MA-N,AV Signature Update Service,1 Year	Optional
TM2000-MA-N,IPS Signature Update,1 Year	Optional
TM2000-MA-N,URL-Filter Signature Update Service,1 Year	Optional
TM2000-ME-N Host	Required
TM2000-ME-N, Application Signature Update Service, 1 Year	Optional
TM2000-ME-N,AV Signature Update Service,1 Year	Optional
TM2000-ME-N,IPS Signature Update,1 Year	Optional
TM2000-ME-N,URL-Filter Signature Update Service,1 Year	Optional
TM2000-GS-N Host	Required
TM2000-GS-N, Application Signature Update Service, 1 Year	Optional
TM2000-GS-N,AV Signature Update Service,1 Year	Optional
TM2000-GS-N,IPS Signature Update,1 Year	Optional
TM2000-GS-N,URL-Filter Signature Update Service,1 Year	Optional
TM2000-GM-N Host	Required
TM2000-GM-N, Application Signature Update Service, 1 Year	Optional
TM2000-GM-N,AV Signature Update Service,1 Year	Optional
TM2000-GM-N,IPS Signature Update,1 Year	Optional
TM2000-GM-N,URL-Filter Signature Update Service,1 Year	Optional
TM2000-GA-N Host	Required
TM2000-GA-N, Application Signature Update Service, 1 Year	Optional
TM2000-GA-N,AV Signature Update Service,1 Year	Optional
TM2000-GA-N,IPS Signature Update,1 Year	Optional
TM2000-GA-N,URL-Filter Signature Update Service,1 Year	Optional
	M2000-MA-N,IPS Signature Update,1 Year         M2000-MA-N,URL-Filter Signature Update Service,1 Year         M2000-ME-N Host         M2000-ME-N,Application Signature Update Service,1 Year         M2000-ME-N,AV Signature Update Service,1 Year         M2000-ME-N,IPS Signature Update Service,1 Year         M2000-ME-N,URL-Filter Signature Update Service,1 Year         M2000-GS-N,URL-Filter Signature Update Service,1 Year         M2000-GS-N,Application Signature Update Service,1 Year         M2000-GS-N,Application Signature Update Service,1 Year         M2000-GS-N,IPS Signature Update Service,1 Year         M2000-GS-N,IPS Signature Update Service,1 Year         M2000-GN-N,URL-Filter Signature Update Service,1 Year         M2000-GM-N,Application Signature Update Service,1 Year         M2000-GM-N,KAPPlication Signature Update Service,1 Year         M2000-GM-N,Application Signature Update Service,1 Year         M2000-GM-N,Application Signature Update Service,1 Year         M2000-GM-N,IPS Signature Update,1 Year         M2000-GA-N,Most         M2000-GA-N,Application Signature Update Service,1 Year         M2000-GA-N,Application Si

## SSL VPN License

Part Number	Item Description	Remarks
53010137	SSL VPN 10 User License	Optional

53010138	SSL VPN 50 User License	Optional
53010139	SSL VPN 100 User License	Optional
53010140	SSL VPN 250 User License	Optional
53010141	SSL VPN 500 User License	Optional
53010142	SSL VPN 1000 User License	Optional
53010143	SSL VPN 2500 User License	Optional
53030145	SSL VPN 5000 User License	Optional

### Interface Module and Transceivers

Part Number	Interface Module	Remarks
02010023	4-Port 1000M Ethernet Electrical Interface Module	Optional
02010036	4-Port 1000M Ethernet Optical Interface Module	Optional
02010005	1000BASE-SX SFP Transceiver, Multi-Mode (850nm, 550m, LC)	Optional
02010004	1000BASE-LX SFP Transceiver, Single Mode (1310nm, 10km, LC)	Optional
02000013	1000BASE-LH40 SFP Transceiver, Single Mode (1310nm, 40km, LC)	Optional
02010014	1000BASE-LH40 SFP Transceiver, Single Mode (1550nm, 40km, LC)	Optional
02010008	10GBASE-SR XFP Module, Multi-Mode (850nm, 300m, LC)	Optional
02010018	10GBASE-LR/LW XFP Module, Single Mode (1310nm, 10km, LC)	Optional
02010016	10GBASE-ER/EW XFP Module, Single Mode (1550nm, 40km, LC)	Optional

# **Unified Management Center**

Part Number	Model Description	Remarks
02010001	UMC Management Platform Software	Optional
53010113	UMC Unified Threat Management Manager License	Optional

#### Note:

"Required" indicates that the item described is provided directly with the ordered host. The user does not need to purchase it specially.

"Optional" indicates the item described should be purchased by the user if it is needed.

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