

# Tera-UTM 12

## Industrial Level Network Security Filter



- Industrial level cyber security + Industrial control systems protection: Anti-Virus, Anti-Intrusion, Anti-WebThreat, Anti-Region, Firewall and ICS protocol inspection.
- Prevent Tera-UTM 12 from causing network interruptions due to maintenance, downtime or power outages with Hardware Bypass.
- Easy setup and intuitive user interface with robust design.
- Live update threat database, protecting your network from the latest virus and intrusion.
- Central management system (CMS) for monitoring multiple Tera-UTM 12.

## Features

### Industrial level security protection for various scenarios

With Deep Packet Inspection (DPI), Tera-UTM 12 offers comprehensive and Industrial level protections, including Anti-Virus, Anti-Intrusion, Anti-WebThreat, Anti-Region and Firewall. These features assist users in destroying viruses or blocking malicious contents and attacks effectively.

### Advanced protection for industrial control systems (ICS)

Tera-UTM 12 is able to inspect packets transferring in ICS protocols, such as Modbus, DNP3, etc. Users can define their own rules based on their requirement, and Tera-UTM 12 can help them control and protect their ICS.

### Enhanced inspection for SSL / TLS traffic

Tera-UTM 12 can decrypt, inspect and re-encrypt the SSL / TLS traffic in order to provide full protection when browsing HTTPS websites. Users can also set a whitelist with URL, IP address or website categories to keep the connection encrypted.

### Sustained protection against growing threats

Live update threat database is able to identify the latest intrusion and virus including variants.

### Remote management with Central Management System (CMS)

Administrator can monitor the real-time status of all linked Tera-UTM 12 devices and configure by group on CMS.

\* License or subscription may be required for signature database or CMS.

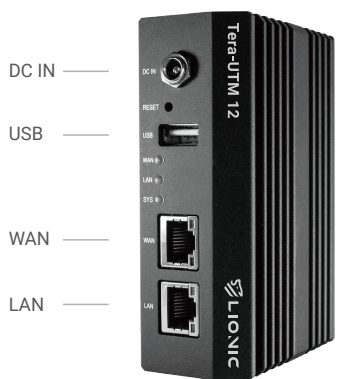
## Performance

Enabled Features		
Throughput (Pure Forwarding)		910 Mbps
Throughput (All)		890 Mbps
Throughput (All+SSL/TLS Inspection)		355 Mbps
Concurrent Sessions		1000K

Pure Forwarding: All features disabled

All: Anti-Virus, Anti-Intrusion, Anti-WebThreat enabled

## Hardware Overview



## Hardware Specifications

Product Name	Tera-UTM 12
Hardware	Memory : 4G LPDDR4, 4000MT/s
	Flash : 8GB eMMC NAND Flash for O.S.
Ethernet	Chipset : 2 x AR8035-AL1A
	Speed : 2 x 10/100/1000 Mbps
	Support Hardware Bypass (Controlled By Cortex-M7)
Indicator	2 x Ethernet Active, 1 x Power Status (Green/Red 2color)
Power	7V~36V DC-in Lockbale
Environment	Operation Temperature : 0-60°C
	Storage Temperature : -40~85°C 5%~95% Relative Humidity, non-condensing
Dimension	108 W x 72 H x 38 D (mm)
Certification	BSMI

# Feature List



## Security

Security features for various scenarios

- Virus detection on common protocols: FTP, HTTP, SAMBA, etc.
- Hybrid virus scan
- Virus files destruction
- Executable files scan
- Office documents scan
- Compressed files scan
- Emails and attached files scan
- SSL/TLS scan in HTTPS
- User-defined website whitelist for HTTPS scan
- Enhanced ransomware detection
- Enhanced trojan detection
- 1-to-many virus signature
- Virus cloud database
- Cyber-attacks blocking
- Brute-force attack detection
- Port scan detection
- DoS attack detection
- Abnormal protocol behavior detection
- SAMBA intrusion detection
- Botnet attack detection
- Prompt-updated virtual patch
- Unsafe website access blocking
- Domain name checking
- URL checking
- IPv4 & IPv6 checking
- Malicious and phishing website cloud database
- Customized whitelist for security policy
- User-defined firewall for both TCP & UDP protocols
- Always-allow/deny website list
- Detected threat detailed information listing
- Threat log exporting (CSV)
- Threat log reporting to cloud log server
- ICS protocol anomaly detection
- User-defined ACL for ICS protocols
- Threat source analysis and geo-blocking



## Network

Seamless integration to the original network topology

- Intuitive installation in Bridge Mode (default)
- DHCP server and port forwarding for Router Mode
- VPN server for mobile devices protection
- User-defined proxy server setting to access Lionic cloud services



## Monitor & Control

Sustained protection against growing threats

- Intuitive web user interface
- Remote access with DDNS
- Access granting for remote administrators
- Secure access with encrypted connection
- 2-factor authentication for VPN server accessing
- Inspected traffic summary
- Detected threat statistics
- System resource monitor
- System user activity history
- Reboot scheduling
- Firmware & signature auto-update
- User-defined syslog server setting to collect detailed system status
- Customized NTP server setting
- Threat-detected notification mail
- Network diagnosis tools

- Security policy and system setting backup/restore
- Lionic cloud service license management
- Auto-generated daily / weekly report
- Self-diagnosis rating for system load
- Network security risk estimation
- Network diagnosis tools
- System log exporting
- Network traffic analysis



## Central Management System (CMS)

Remote management with CMS

- Visualized operating status summary
- Defense situation dashboard
- Remotely configure Tera-UTM 12
- Creating and applying security policy for Tera-UTM 12 groups
- Summarized threat log exporting (CSV)
- Alternative signature update service
- Remotely firmware update triggering
- Threat-detected notification mail
- System user activity history
- System user permission management

## Tera-UTM 12 Makes Security Simple



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