

# Cell UTM

## Unified Threat Management



### Overview

Cell Unified Threat Management (UTM) is a next-generation of network security appliance with unique network processor/ASIC design, Cell's proprietary Custom Real-time Intelligent Operation System (CRIOS) and Intelligent Packet Processing Engine (IPPE) developed and embedded into a hardware appliance system. It supports fast performance up to 4Gbps, deep packet inspection engine, multiple packet matching and high compression ratio for inspection code. Cell UTM appliance can offer a complete set of network security protection and applications: Anti-Virus (AV) scanning and blocking, Intrusion Detection and Prevention (IDP), Internet applications control and management, web filtering such as anti-malicious URL and its protocol filtering.

Cell UTM with entry models from 20Mbps up to 100Mbps are designed to protect the Small Office Home Office (SOHO)/or Small & Medium Enterprise (SME) network from a wide variety of network threats. Cell UTM supports pre-defined signature rules with on-line Signatures Update (SU)/Knowledge-Base (KB) automatically from Cell Security Service Centre (SSC) to defense against any latest threats.

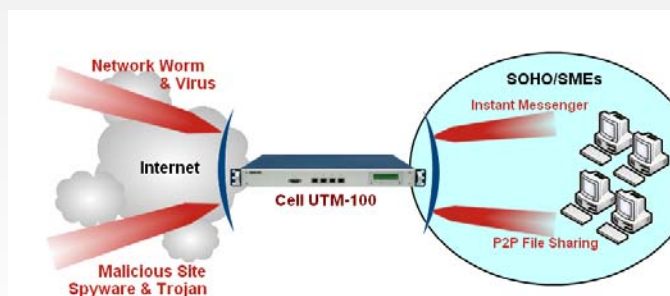
Cell UTM is designed to deploy at any Managed Security Service Provider (MSSP) or Security Operation Centre (SOC) as a managed UTM security service to end customer. Once the UTM device is installed at the customer's network, MSSP/SOC providers can setup customizable signatures rules or appropriate policy by Cell NetsVision software management platform to offer the security monitoring, logs/forensic analysis and 24x7 non-stop protection services for customers. Cell NetsVision is a centralized software management platform to manage all Cell UTM devices across networks and is a 3-tier network architecture topology to operate, administrate and manage Cell UTM through the integration of network security technologies, policy design, signature knowledge-base, database and security procedures.

### Features

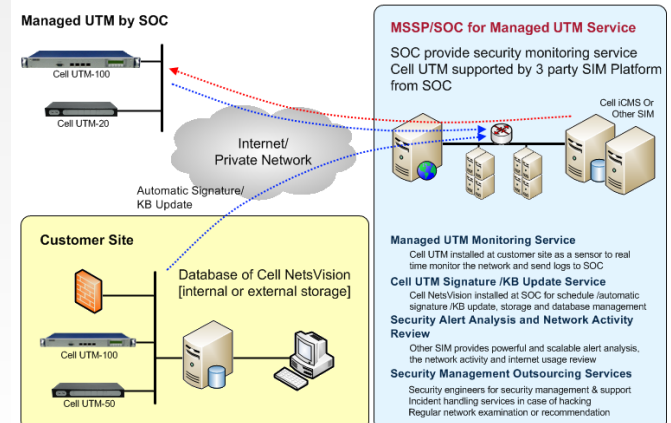
- Entry Models Support up to 100Mbps
- Robust Performance of Cell CRIOS & IPPE Engine
- Optional Network Processor/ASIC
- Integrated with Complete Security Protection – Anti Virus, IDP, Internet Applications Management, and Web Filtering
- Automatic Push On-line SU/KB from Cell SSC
- Standalone (Web-based GUI) or 3-Tier of Centralized Management (Cell NetsVision)
- Powerful System Administration
- Technology Proven for MSSP/SOC Providers for Managed UTM Service

### Application

#### Cell UTM Application



#### Cell UTM Managed Service Application



### Hardware Specification

Product Models	Cell UTM-20	Cell UTM-50	Cell UTM-100
<b>Hardware Appliance</b>			
<b>Hardware System</b>	Desktop Intel based platform	Desktop Intel based platform	1U Rack-mounted Intel based platform with NP/ASIC
<b>Physical Interfaces</b>	4 Ethernet 10/100 Base-T Ports	4 Ethernet 10/100 Base-T Ports	4 Ethernet 10/100 Base-T Ports
<b>System Console</b>	Serial console port (DB9)	Serial console port (DB9)	Serial console port RS232 (DB9)
<b>Hardware Redundancy</b>	No	No	Yes, High Availability (HA)*
<b>Mode of Operation</b>	Bridging	Bridging	Bridging
<b>Build-in Database</b>	No	No	Yes
<b>Build-in Reporting and Analysis</b>	No	No	Yes
<b>LCD Display &amp; Control</b>	No	No	Yes
<b>Dimension</b>	239 x 30 x 156 mm	239 x 30 x 156 mm	430 x 44 x 369 mm
<b>Weight</b>	1.2 kg	1.2 kg	4.5 Kg
<b>System Performance</b>	Max 20Mbps 16,000 sessions	Max 50Mbps 32,000 sessions	Max 100Mbps 350,000 sessions
<b>Anti-Virus Scanning &amp; Blocking</b>	No	No	Yes, with 13000 signatures
<b>Intrusion Detection &amp; Prevention</b>	Yes, with 2500 signatures	Yes, with 2500 signatures	Yes, with 2500 signatures
<b>Internet Applications Management</b>	Yes	Yes	Yes, with 250 signatures
<b>Web Filtering</b>	No	No	Yes, with 9000 signatures
<b>Power Supply Voltage</b>	Output, DC 12V 3A Adaptor, 36W	Output, DC 12V 3A Adaptor, 36W	Full-range ATX 250W
<b>Power Input</b>	AC100-240V@47Hz -63Hz	AC100-240V@47Hz -63Hz	90-264VAC, 47/63 Hz
<b>Operation Temp</b>	0 to 40 degree	0 to 40 degree	0 to 40 degree
<b>Operation Humidity</b>	5-95%, non condensing	5-95%, non condensing	5-85%@40C
<b>Standard Regulatory</b>	FCC, CE, RoHS	FCC, CE, RoHS	FCC, CE, RoHS

### System Specification

<p><b>System Operation System</b></p> <ul style="list-style-type: none"> <li>Cell CRIOS (Custom Real-time Intelligent OS)</li> <li>Cell IPPE (Intelligent Packet Processing Engine)</li> <li>Optional Network Processor/ASIC</li> </ul>	<p><b>Intrusion Detection &amp; Prevention</b></p> <ul style="list-style-type: none"> <li>Packet-based Intrusion Scanning</li> <li>Traffic Anomaly: Scanning Detection and Flood Protection</li> <li>Protocol Anomaly: HTTP/ICMP/TCP/UDP</li> </ul>	<p><b>Database Management</b></p> <ul style="list-style-type: none"> <li>Build-in database – purge, export and overwrite</li> <li>Policy backup and restore*</li> </ul>
<p><b>Mode of operation</b></p> <ul style="list-style-type: none"> <li>Bridging (In-line)</li> </ul>	<p><b>Internet Applications Management</b></p> <ul style="list-style-type: none"> <li>Up-To-Date IM/P2P Access Control</li> <li>Support public IM clients: AIM, ICQ, Yahoo Messenger, Window Live Messenger, and web-based clients</li> <li>Support public P2P application: eDonkey, BitTorrent, EZPeer, Thunder, PPLive, QQLive, FastTrack, Kuro, Gnutella, Soulseek, Skype and other P2P applications</li> <li>Scan File transfers over IM/P2P</li> <li>Application Protocol Detection and Protection</li> </ul>	<p><b>Report Management</b></p> <ul style="list-style-type: none"> <li>Build in alert reporting and analysis tools</li> <li>Bandwidth reporting</li> <li>Export to PDF, Excel, HTML and others*</li> </ul>
<p><b>Signature/KnowledgeBase (KB) Update</b></p> <ul style="list-style-type: none"> <li>Manual, automatic or pre-schedule by Cell SSC</li> </ul>	<p><b>Web Filtering</b></p> <ul style="list-style-type: none"> <li>Website Hijacking Prevention</li> <li>Concise URL Malicious Website Database</li> <li>URL filtering by Host Name or Host + Path</li> <li>Exempt List (Blacklist and White list)</li> <li>Gateway Spyware Protection</li> </ul>	<p><b>Interface to SIM/SEM Platform</b></p> <ul style="list-style-type: none"> <li>SNMP v2 Trap</li> <li>UDP syslog messages</li> <li>Email notification</li> <li>Standard Interface to third party of Security Information Management (SIM) Platform</li> </ul>
<p><b>Language Supported</b></p> <ul style="list-style-type: none"> <li>English, Trad &amp; Sim Chinese, Japanese, Korean*</li> </ul>		<p><b>Cell UTM Centralized Management</b></p> <ul style="list-style-type: none"> <li>With Cell NetsVision iCMS-UTM platform</li> <li>3-tier network deployment</li> <li>Support multi-iCMS Commanders in a network and managed by a single iCMS Manager</li> <li>Support Support external storage system for data storage, back up or external database</li> </ul>
<p><b>System Administration/Diagnostic</b></p> <ul style="list-style-type: none"> <li>SSL Web-based GUI</li> <li>System diagnostic (via serial console port and LCD)</li> <li>Secure Remote Access through SSH</li> <li>Access Control Lists</li> <li>3 User Administration Level CLI</li> </ul>		
<p><b>Anti-Virus (AV) Detection &amp; Blocking</b></p> <ul style="list-style-type: none"> <li>Packet-based Gateway Anti-Virus Scanning</li> <li>Scan HTTP,FTP,SMTP,POP3 &amp; IMAP4 Protocols</li> <li>Packet-based Decoding Base64 UUencode QP</li> <li>No File Size Limitation</li> <li>Support Zip, Gzip and Rar Decompression</li> <li>Detect Virus in Multi-Packets</li> </ul>		

\* in product roadmap

### Cell NetsVision, Intelligent Cell Management System (iCMS) Specification

Cell NetsVision, an intelligent Cell Management System (iCMS) is the complete, comprehensive and centralized software management platform to monitor, control and manage for all Cell products including Cell IPS, UTM, CMC, Janus and NetsAccess in a highly performance and scalability purpose. It is designed with Cell's proprietary technology of iPlug-in integration and 3-tier system architecture design, it supports powerful capability of operating, administrating, provisioning, and maintaining all system logs/or events via a feature-rich Graphical User Interface (GUI) operated by a Java-based server and client based software platform under Linux Operation System. Please refer to Cell NetsVision Datasheet for specification and ordering information.

#### About Cell Technology

Cell Technology headquartered at Hong Kong SAR, a network & security technology provider specializes in design, develop and deliver innovative and intelligent IP packet processing platform into software and hardware appliances. Cell product solutions including Cell IPS, UTM, CMC, Janus, TMS, NetsVision and NetsAccess address the business needs that optimize the IP network performance, secure the network security and resiliency, and manage the quality of IP services. For more information, please visit [www.cell-technology.net](http://www.cell-technology.net).  
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