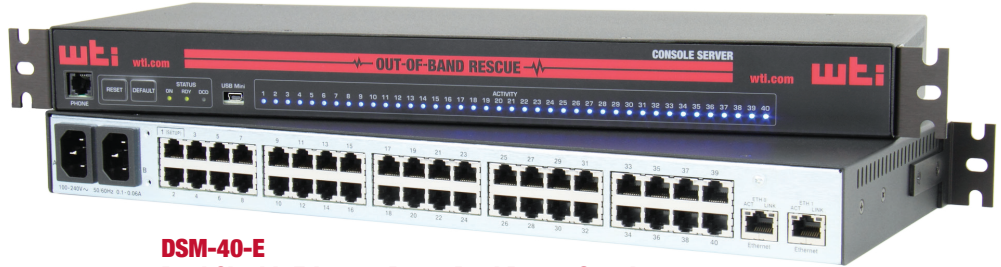# Out-of-Band Console Management for Secure Networks

With 4G LTE Cellular!

IP-to-Serial Console Management:
- 8, 24 or 40 RS232 RJ45 Serial Ports
- Ctrl+Break Command Block Options
- Reverse/Outbound SSH

In-Band/Out-of-Band Access:
- Primary Ethernet: 10/100/1000
- Optional Secondary Ethernet with Fallback Capabilities: 10/100/1000
- Optional 56k v.92 Modem with Dialback Security
- Optional 4G LTE Cellular
- Optional Always On with Failsafe Dual Power Supplies
- IP Passthrough for Cellular Failover
- Local Access (RJ45 RS232 & USB Mini Set-up Ports)
- Supports IPv4 and IPv6

Security & Authentication:
- HTTPS, SSHv2, SNMPv3
- Transport Layer Security (TLS) v1.2
- IPSec (Server/Client) & OpenVPN
- IPtables
- Supports DUO and RSA® Two-Factor Authentication
- SAN Certificate Support
- AAA: LDAP/Active Directory/Kerberos/RADIUS/TACACS+
- Embedded Validated FIPS 140-2 Cryptographic Module
- Port-Specific Password Protection
- Invalid Access Lockout & Alarm

Event Monitoring, Logging & Notification:
- Alarms via SNMP, Email or Text Message
- Over-Temperature Alarms
- Ping-No-Answer Alarm (Failed Ping Command)
- Power Cycle Alarm
- Temperature, Command & Event Logging
- Lost Communication Alarm
- Buffer Monitoring & Alarms
- No Dialtone Alarm
- Time Stamp & Non-Connect Port Buffering

Unit Management:
- RESTful Web Services API
- DHCP/FTP/TFTP/SFTP/SCP
- CLI & HTML5 Web-Based GUI
- Compatible with WMU Enterprise Management Software
- Multiple Concurrent SSHv2 Sessions
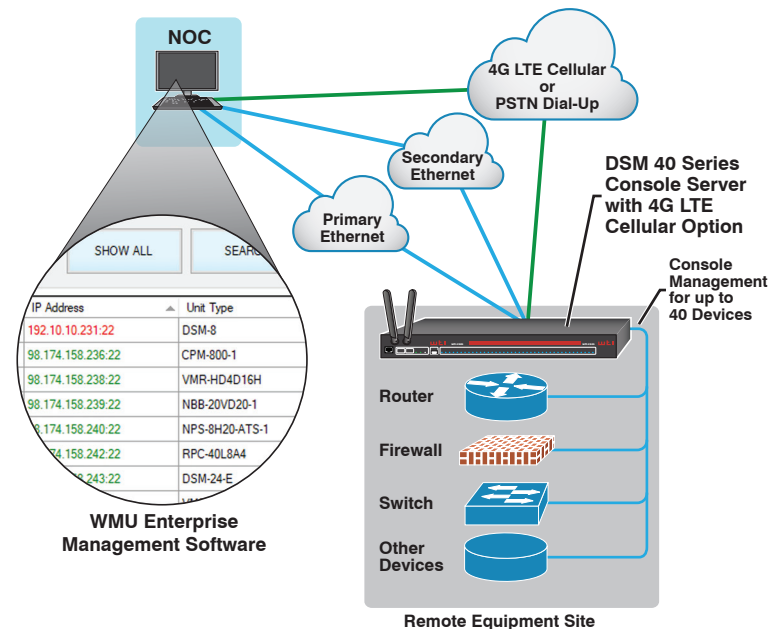- Full MIB Support
- NTP for True Server Sync

Automation:
- Modules & Plugins Included in Ansible
- SYSLOG & Streaming Telemetry Support
- SNMP
- Zero Touch Provisioning (ZTP) Support

DSM-40-E
Dual Gigabit Ethernet Ports, Dual Power Supply

DSM Series console servers provide secure, reliable out-of-band access to console ports and aux ports on crucial network elements, allowing emergency access to mission critical device infrastructure.

When unresponsive network elements disrupt communication, DSM Series Console Servers provide fast, secure, OOB access to routers, switches, firewalls and other equipment. Create an SSHv2 connection to any device on your network via 10/100/1000 Ethernet, 4G LTE Cellular or PSTN dial-up, and then remotely tweak configuration parameters, view audit logs or implement troubleshooting functions to restore your network without the expenses, delays and hassles of a truck roll or service call.

The DSM's monitoring and alarm functions simplify remote network management by providing an automated response to high rack temperatures, failed pings and other signs of trouble. Monitoring and reviving network devices has never been easier!

NOC

4G LTE Cellular or PSTN Dial-Up

Secondary Ethernet

Primary Ethernet

DSM 40 Series Console Server with 4G LTE Cellular Option

Console Management for up to 40 Devices

SHOW ALL   SEARCH

IP Address	Unit Type
192.10.10.231:22	DSM-8
98.174.158.236:22	CPM-800-1
98.174.158.238:22	VMR-HD4D16H
98.174.158.239:22	NBB-20VD20-1
.174.158.240:22	NPS-8H20-ATS-1
4.158.242:22	RPC-40L8A4
243:22	DSM-24-E

WMU Enterprise Management Software

Router

Firewall

Switch

Other Devices

Remote Equipment Site

OUT-OF-BAND RESCUE™

GigE Console Server
DSM Series

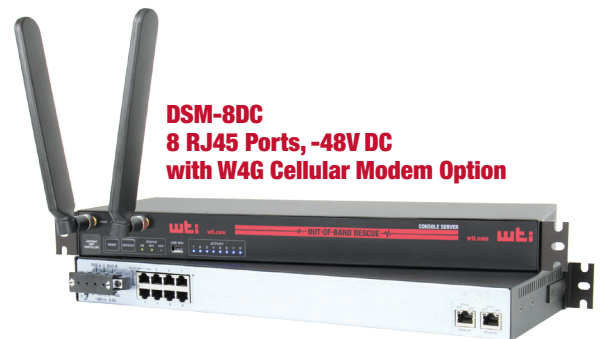| Model Series	RS232 Ports	Ethernet Port(s)	Voltage	Power Input	Dial-Up Modem
DSM-8	(8) RJ45 (DTE)	1 or 2*	AC Models: 100 - 240 VAC, 50/60 Hz, 10 Watts Max. DC Models: -48 VDC, 0.3 Amp Max.	AC Models: (1) IEC-320-C14 Inlet** DC Models: (1) Terminal Strip (#6-32)	***
DSM-24	(24) RJ45 (DTE)				
DSM-40	(40) RJ45 (DTE)				
23R-WTI	23" Rack Adapter Kit for DSM Series				

*   Dual Ethernet Ports present on "E" Models only.
**   120 VAC Units Include IEC-60320-C13 to NEMA 5-15P Power Cable. Other Power Cables may be ordered separately.
*** Dial-Up Modem not present on "NM" models.

Model Number Key	Sample Model Number: DSM 8 #####	Option Codes: (Note: Base Units do Not Include Option Code)
Series: DSM Console Servers **Number of Serial Ports** (8, 24 or 40) **Option Codes** (See List in Right Column) (e.g., DSM-8-DCNM-E)		E = Dual Ethernet Ports, Dual Power Inlets DP = Dual Power Inlets DC = DC Powered NM = Dial-Up Modem Not Included
4G LTE Cellular Option Requires Additional W4G-VZW, W4G-ATT or W4G-EUA Model Numbers for All DSM Series.		

Port Buffer:	256K per RS232 Port
Ethernet Port(s):	10/100/1000 BaseT, RJ45
Internal Modem Option:	56K v.92 Internal Modem with Dialback Security
Internal Cellular Option:	4G LTE for Verizon, AT&T or EU
Operating Temperature:	32˚F - 140˚F (0˚C - 60˚C)
Humidity:	10 - 90% RH
Size:	Height: 1.75" (4.4 cm), 1 Rack U Width: 19.00" (48.3 cm) Depth: 6.55" (16.6 cm)
Shipping Weight:	8 Lbs (3.6 Kgs)
Mounting:	19" Rack Brackets Included
Approvals:	UL, cUL, CE, FCC Class A

DSM-24-E
24 RJ45 Ports, Dual Power, Dual Ethernet with W4G Cellular Modem Option

DSM-8DC
8 RJ45 Ports, -48V DC with W4G Cellular Modem Option

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✓ Stocked for Same Day Shipments
✓ In-House Design & Manufacturing
✓ Made In USA

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