

NetPerformer™ SDM 8400

Serial Port Extender for NetPerformer Integrated Access Routers

- Delivers up to 8 serial ports either on SDM 9220 or SDM 9230 Multifunctional Routers.
- Unlimited port extension through IP daisy-chains.
- Offers multiple connectivity options and simple network integration.



FOR UNLIMITED & INCREMENTAL SCALABILITY ON MULTIFUNCTIONAL ROUTERS

MEMOTEC'S NETPERFORMER SERIAL PORT EXTENDER ENABLES ENTERPRISES AND SERVICE PROVIDERS THAT ARE USING SDM 9220 OR SDM 9230 MULTIFUNCTIONAL ROUTERS TO SCALE THEIR NETWORK AS REQUIREMENTS FOR ADDITIONAL SERIAL PORTS INCREASE. SERVICE PROVIDERS CAN START SMALL, ADDING UP TO THREE MODEMS AND THEN SUPPORT ADDITIONAL SITES USING THE SDM-8400 SERIAL PORT EXTENDER. ITS MULTIPLE CONNECTIVITY OPTIONS ALLOWS IT TO INTEGRATE EASILY INTO ANY NETWORK.

SUPPORTS FLEXIBLE NETWORK CONFIGURATIONS

The NetPerformer SDM 8400 technology agnostic feature makes it easy to integrate into any networks: fully meshed, hierarchical, star, point-to-point, or point-to-multipoint. In addition, the device can handle framed serial traffic or transparent circuit emulation via

traffic encapsulation and transmission of the resulting data over any packet based network. As a result, with overhead costs reduced, there is no impact on current network operation.

OPTIMIZE YOUR INFRASTRUCTURE INVESTMENT

NetPerformer Port Extender

supports leading LAN and WAN interface protocols, including IP, Frame Relay, HDLC, PPP, and PowerCell to leverage existing network infrastructures and maximize revenue. The SDM 8400 has the same bandwidth optimization features as all NetPerformer series equipment. It delivers NetPerformer quality of service, data compression and

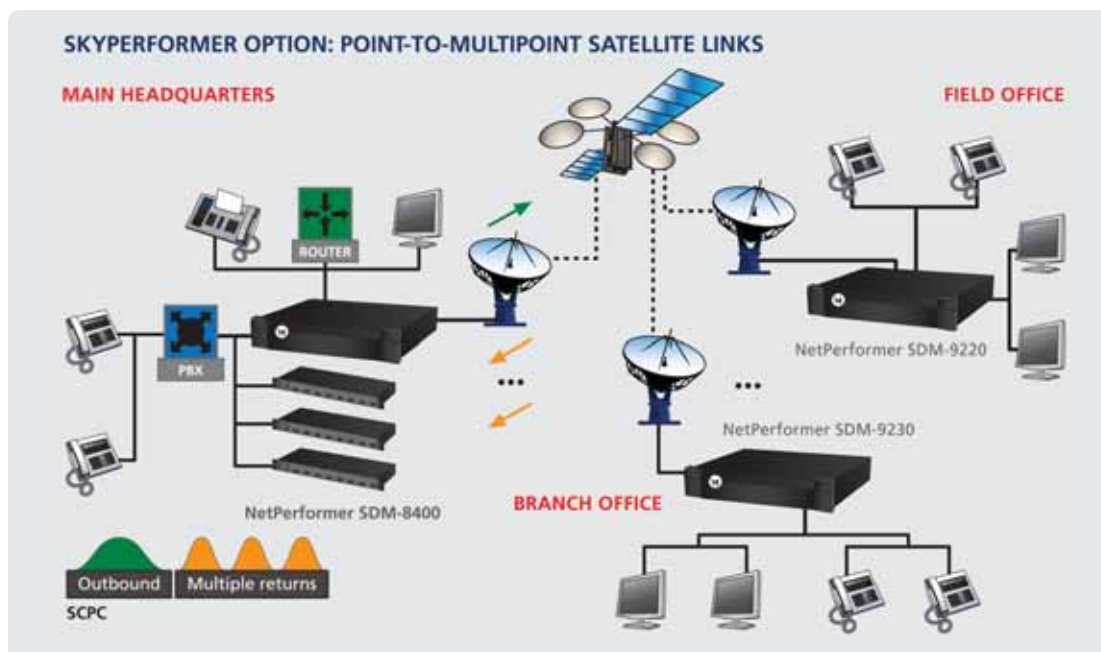
load balancing that extracts the most performance out of any network.

CARRIER-GRADE QUALITY OF SERVICE OVER LOW BANDWIDTH

Using Memotec's award winning PowerCell® technology, the SDM 8400 provides high compression data transport over a variety of WAN infrastructures using minimal bandwidth resources while still providing true carrier-grade quality of service (QoS). Up to eight (8) classes of service with 16 different levels of prioritization ensures mission critical voice and data applications always get the bandwidth they need.

NETWORK MANAGEMENT AND REPORTING

ACTView® 3000, an advanced NMS platform, manages virtually any other platform from a single network management station, avoiding redundancies in network management and the costs associated with multiple NMS platforms.



LINK PORT

Leased Lines	Serial synchronous full duplex, Frame Relay, HDLC and PPP, PowerCell
IP WAN	Ethernet, PPP, Frame Relay RFC-1490 and PowerCell over IP
Frame Relay	UNI User and Network, RFC1490, PowerCell
Local management interface	LMI, ANSI T1.617/annex D, ITUT, Q.933/annex A, CLLM or disabled
PVCs	300 per node, automatic DLCI discovery
Switched Lines and Dial back-up	PowerCell over serial ports or IP
Dialing protocols	V.25bis, X.21, AT and control leads
Speed	With data compression disabled: 8 Mbps/1 port, 2 Mbps/other ports With data compression enabled: Up to 2 Mbps *Maximum speed is protocol dependent

PHYSICAL

System Details	- Universal serial port: 4 or 8 - Connector: DTE or DCE, HD26F connector, Internal/external clocking - Ethernet: 1 X 10/100BaseT (RJ45 connector) - Power: 90-264 VAC Auto-sensing, 50/60 Hz, up to 30 watts - Redundancy: 1:1
Chassis	Stand-alone base unit. 19" Rack mount
Dimensions (H x W x D)	44 x 427 x 205mm
Weight	2.7 kg

ENVIRONMENTAL

Operating Temperature	0° to 45° Celsius / 32° to 113° Fahrenheit
Storage Temperature	-20° to 65° Celsius / -4° to 149° Fahrenheit
Relative Humidity	10% to 90%, non-condensing

NETWORK

Topology	Mesh, hierarchical, star, point-to-point, Satellite point-to-point/multipoint (SkyPerformer option) Automatic load balancing, bandwidth on demand (over leased line), dial back-up, time-of-day connect
QoS	8 classes of services, 16 priority weights

DATA

Sync	PPP, BDLC, HDLC, SDLC, X.25, X.25 over Frame Relay annex F/G
Legacy Sync	COP, BSC, VIP, IBM/RJE, Uniscope, Poll/Select, Siemens Nixdorf, JCA, Zengin, Transparent pass through over PowerCell or over Frame Relay
Frame Relay	RFC-1490, UNI-DTE, UNI-DCE
Asynchronous	PPP, ENQ/ACK, XON/XOFF, transparent

LAN

Filter criteria	Based on protocol, address (source, destination or SAP), TOS bit/diff. Serv or custom filtering
Ports	1X fully routed 10/100Base-T, two (2) IP address per port
Ethernet interfaces	Ethernet II and IEEE 802.2, 802.3, SNAP
Standards	IP RIP V1/V2 or Static, OSPF, NAT, IP Multicast IGMP V1/V2 PIM-DM, BootP/DHCP relay, DHCP client, IPX RIP and SAP, LLC2, 802.1p/q prioritization and VLAN, 802.1D Spanning Tree Protocol(STP), MAC Layer

NETWORK MANAGEMENT

- SNMP management via ACTView 3000 for HP OpenView NNM for Windows
- Menu driven async console port (VT-100) via RJ45 connector, auto-sensing DTE/DCE, speed up to 115,200 bps
- Remote Telnet access to command port
- Traps, traces and extended statistics

COMPLIANCE AND AGENCY APPROVAL

Complies with or has obtained Regulatory Agency approval for at least the following standards:

- EMC – Emission FCC CFR 47 Part 15, Classe B EN55022:1998, AS/NZS CISPR22
- EMC – Immunity EN 55024:1998 + A1 + A2
- Safety: IEC 60950 (1999), EN 60950 (2000), AS/NZS 60950 (2000) + A1, CSA C22.2 N° 60950-1, UL 60950-1
- Telecom: TBR1 + TBR2