



# DM800 Series

## NG-SDH Multi-Service Platform

Product Description – April 2016

## NG-SDH Multi-Service Platform

DM800 series of multi-service products from DATACOM employs high-end technology to provide high capacity transmission, aggregation, access and cross-connection functionalities. Managed using the widely deployed DmView Management System, the DM800 series offers a reliable solution for next generation converged networks, designed to reduce CAPEX and OPEX.

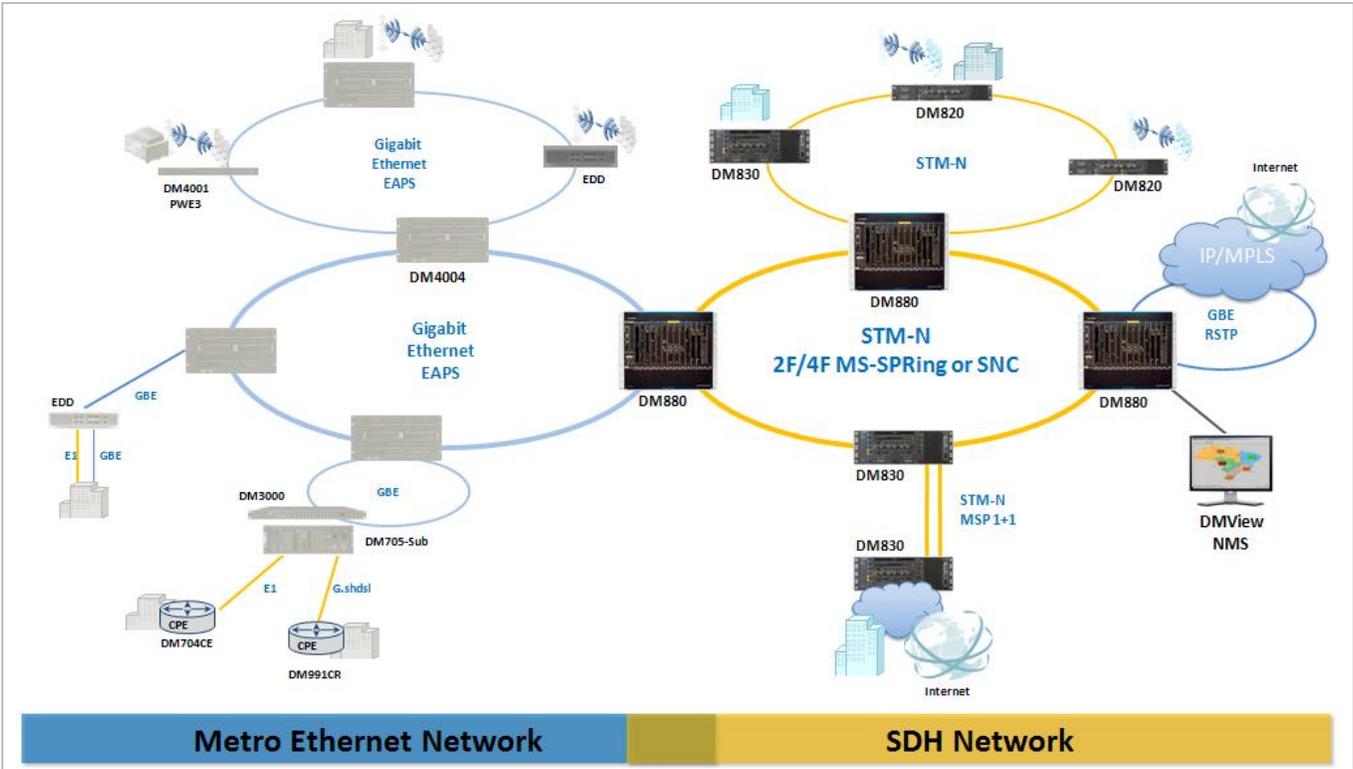


<b>DM880</b>	<b>DM830</b>	<b>DM820</b>	<b>DM881</b>	<b>DM810</b>	<b>DmSTM-1</b>
<b>STM-64/16/4</b>	<b>STM-16/4/1</b>	<b>STM-16/4/1</b>	<b>STM-16/4/1</b>	<b>STM-4/1</b>	<b>STM-1</b>
<b>80G</b>	<b>30G</b>	<b>25G</b>	<b>20G</b>	<b>2.8G</b>	<b>140M</b>

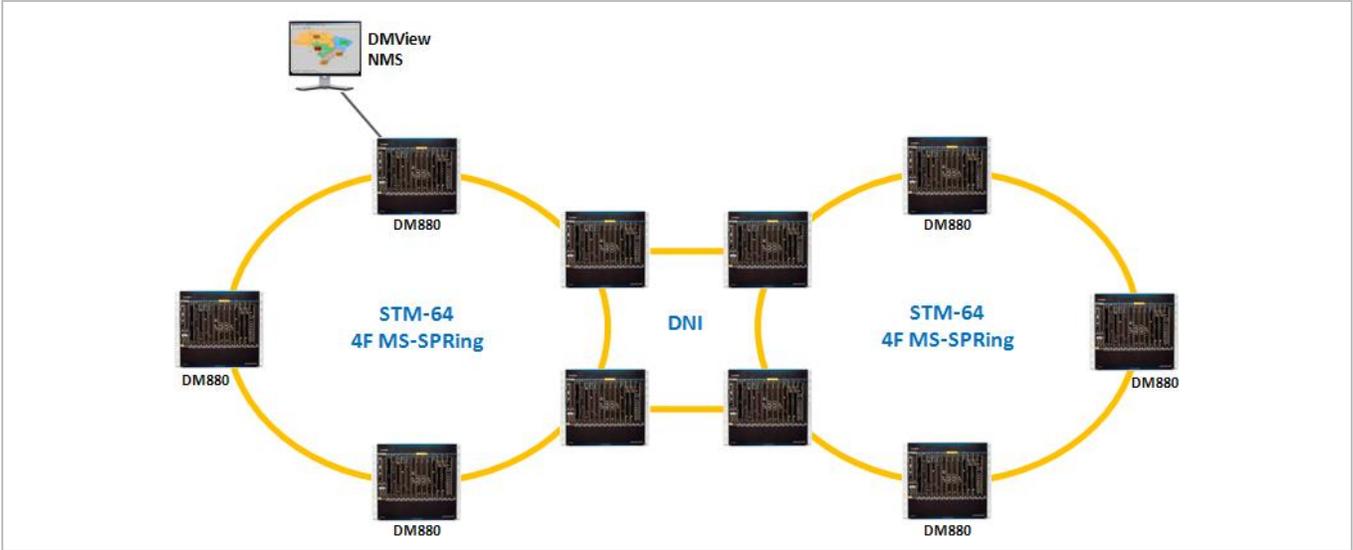
### Functionalities

- Operates as terminal, cross-connect, linear or ring ADM
- STM-64, STM-16, STM-4 and STM-1 SDH interface cards
- Fast Ethernet and Gigabit Ethernet interface cards
- PDH Interface cards
- Supports multiple SDH and Ethernet rings
- DS0 cross-connection capable
- Optical SFP and XFP modules, electrical SFP modules
- 1+1 protected switch fabric, synchronism, control and line cards
- 1:N EPS protection for E1/E3/DS3 interfaces
- MS-SPRing 2F and 4F, SNCP and MSP line protection
- Dual Node Interworking - DNI
- Ethernet Automatic Protection Switching - EAPS
- L2 switching, QoS/CoS, flow and bandwidth control
- Spanning Tree Protocol - STP, RSTP and MSTP
- Generic Framing Procedure, ITU-T G.7041 - GFP and GFP multiplexing
- Link Capacity Adjustment Scheme, ITU-T G.7042 - LCAS
- Virtual concatenation, ITU-T G.707 - VCAT
- IEEE 802.1Q VLAN Tagging, IEEE 802.1p and DiffServ
- Redundant power inputs or power supply
- Hot-swappable cards and modules
- Graphic web-based local management
- DmView Network Management System with end-to-end provisioning

# Application

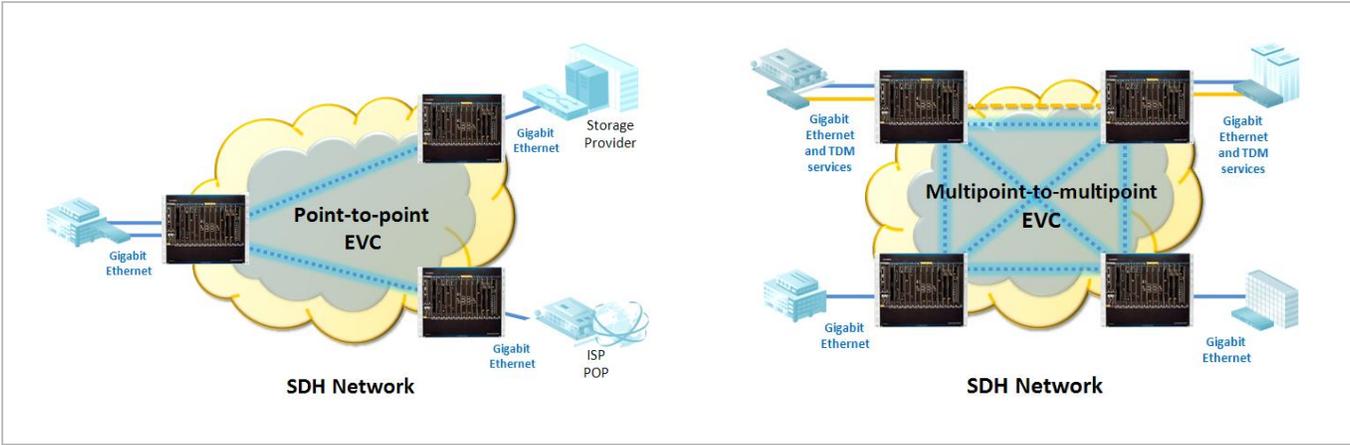


SDH Transport and Aggregation, with Seamless Metro Ethernet Network Integration



STM-64 4-Fiber MS-SPRing Dual Node Ring Interworking (DNI)

# Applications



Point-to-Point and Multipoint-to-Multipoint Ethernet Virtual Connection (EVC) over SDH Network

This section contains two screenshots of network management software. The top screenshot shows the 'DmView Screenshots' interface, which includes a map of a network area with various nodes and connections, and several detailed configuration windows for specific network elements. The bottom screenshot shows the 'DM880 DATACOM' web-based local access interface, featuring a navigation menu on the left with categories like Configuration, Status, and Alarms, and a main display area with a grid of data points and status indicators.

DmView Network Management System with End-to-End Provisioning

## DM880 – STM-64

DM880 is a high-end SDH node optimized to operate with STM-64 and STM-16 line interfaces. DM880 offers huge cross-connect capacity, with a wide range of switch fabric and interface card options. Functionalities includes HO/LO cross-connect, multi-ring 2/4F MS-SPRing protection, SNC and MSP, advanced Ethernet cards with GFP/VCAT/LCAS NG-SDH support, L2 switching and EAPS, xSTP. Shelf details:

- 9U shelf, with mounting brackets for 19" rack
- Two Main Processing Unit slots, with switch fabric and control module
- 12 Interface Cards slots
- Two General Purpose Card slots for housekeeping and auxiliary channels
- Fan module with redundancy
- Hot-swap in all modules
- -48/-60 V<sub>DC</sub> (-48 +/- 20%) operation with redundant power inputs
- Dimension (W x H x D): 440 mm x 400 mm x 272 mm



## DM881 – STM-16 / 4 / 1

DM881 is a SDH or TDM node optimized to operate with STM-16/4/1, Ethernet and PDH interfaces. It offers HO/LO cross-connect, DS0 cross-connect, multi-ring protection schemes, advanced Ethernet cards with L2 switching and GFP/VCAT/LCAS NG-SDH protocol support. Shelf details:

- 9U shelf, with mounting brackets for 19" rack
- Two Main Processing Unit slots, with switch fabric and control module
- 12 Interface Cards slots
- Two General Purpose Card slots for housekeeping and auxiliary channels
- Fan module with redundancy
- Hot-swap in all modules
- -48/-60 V<sub>DC</sub> (-48 +/- 20%) operation with redundant power inputs
- Dimension (W x H x D): 440 mm x 400 mm x 272 mm



## DM830 – STM-16 / 4 / 1

DM830 is a SDH or TDM node optimized to operate with STM-16/4/1, Ethernet and PDH interfaces. It offers HO/LO cross-connect, DS0 cross-connect, multi-ring protection schemes, advanced Ethernet cards with GFP/VCAT/LCAS NG-SDH support, L2 switching and EAPS, xSTP. Shelf details:



- 4.5U shelf, with mounting brackets for 19" rack
- One or two Main Processing Unit slots, with switch fabric and control module
- Four Interface Cards slots
- One General Purpose Card for housekeeping and auxiliary channels
- Fan module with redundancy
- Hot-swap in all modules
- -48/-60 V<sub>DC</sub> (-48 +/- 20%) operation with redundant power supply
- Dimension (W x H x D): 440 mm x 200 mm x 272 mm

## DM820 – STM-16 / 4 / 1

DM820 is a SDH or TDM node optimized to operate with STM-16/4/1, Ethernet and PDH interfaces. It offers HO/LO cross-connect, DS0 cross-connect, multi-ring protection schemes, advanced Ethernet cards with L2 switching and GFP/VCAT/LCAS NG-SDH protocol support. Shelf details:



- 2U shelf, with mounting brackets for 19" rack
- Two Main Processing Unit slots, with switch fabric, control module and up to four STM-4/1 SFP based interfaces
- Two Interface Cards slots
- Two DM820 auxiliary interface card slots
- Fan module with redundancy
- Hot-swap in all modules
- -48/-60 V<sub>DC</sub> (-48 +/- 20%) operation with redundant power supply
- Dimension (W x H x D): 440 mm x 88 mm x 272 mm

## DM810 – STM-4 / 1

The DM810 is a compact new generation multiplexer with 1U high, compatible with standard 19-inch racks. It adds multi-service functionality to the access applications for transport networks. With a non-blocking cross-connection matrix with 2.8G capacity, STM-4/1 interfaces, Gigabit Ethernet and E1, allows voice, video and data services implementation with reduced cost.



The DM810 platform is formed by several versions, each one containing different interface configurations, allowing the best solution to the desired application and cost optimization.

### Functionalities

- RS232 and Ethernet interfaces for equipment management
- Support for DCC remote management by internal router
- Synchronism module and clock recover support by E1 interfaces, SDH or G.703 2MHz external input
- Support for external alarm with two inputs and one output
- Slots for removable fan modules with hot-swap support and redundancy
- EOW voice channel with DTMF signaling
- Access to management channel by V.11 interface
- Graphic web-based local management
- DmView Network Management System with end-to-end provisioning
- Two slots for power supply units with redundancy
- Hot-swap support
- Power supply with automatic voltage selection: AC (100 - 240V) and DC (-48V)

### SDH and PDH Interfaces

- The DM810 can be equipped with two types of SDH interfaces: STM-1 or multi-rate STM4/1 (see versions table in the next page)
- STM-1 or STM-4 interfaces available in SFP connectors supporting optical modules with several range options (2km at 120km) and wavelength, including bidirectional (one fiber)
- For operation as STM-1, the SFP slots can also be equipped with SFP electric modules
- Support Add/Drop Mux and Terminal applications
- Supports SNC protection and MSP 1 +1
- Performance Monitoring
- Supports 2Mbit/s G.703 interfaces, available in two configurations:
  - Eight RJ45 ports
  - 63 ports in high density LFH connectors\*
- 2Mbit/s transparent traffic mapping at SDH ports

## Interfaces Gigabit Ethernet

- Supports 10/100/1000 Gigabit Ethernet interfaces
- Gigabit Ethernet Ports available in RJ45 connectors and/or SFP connectors for optical interfaces implementation
- Auto-negotiation support, Auto MDI and MDI-X
- L2 switching with 802.1Q VLAN and QinQ support
- Jumbo Frames support
- Pause frames support
- STP (802.1D), RSTP (802.1W) and MSTP (802.1S)
- Support to MSTP according to IEEE 802.1s
- Support EAPS loop protection, according to RFC 3619
- Supports QoS based on DSCP or CoS bits 802.1p
- Mapping of Ethernet traffic into SDH using GFP encapsulation, Virtual Concatenation and LCAS\*
- Virtual Concatenation capacity up to 8xVC4 or 24 xVC3 or 252xVC12 for Ethernet mapping
- Allows use of Ethernet interfaces in transparent mode to carry point-to-point packet traffic

## Versions

The following table shows the versions of the compact DM810 platform and their related interfaces:

	Number of Interfaces					
	STM-1 (SFP Module)	STM-1/4 (SFP Module)	G.703 2Mbit/s (RJ45)	G.703 2Mbit/s (LFH)	GBE Combo (SFP or RJ45)	GBE Electric (RJ45)
<b>DM810 2STM1-8E1</b>	2	-	8	-	-	-
<b>DM810 2STM1-63E1</b>	2	-	-	63	-	-
<b>DM810 2STM1-8E1-4GBE</b>	2	-	8	-	2	2
<b>DM810 2STM1-63E1-4GBE</b>	2	-	-	63	2	2
<b>DM810 2STM4-8E1</b>	-	2	8	-	-	-
<b>DM810 2STM4-63E1</b>	-	2	-	63	-	-
<b>DM810 2STM4-8E1-4GBE</b>	-	2	8	-	2	2
<b>DM810 2STM4-63E1-4GBE</b>	-	2	-	63	2	2

## Main Processing Units Switch Fabric Cards

### DM800-MPU10G

- 80G HO and 10G LO switching capacity (512x512 STM-1 equivalent)
- Compatible with DM880
- Multiple ring SNC and MS-SPRing, MSP, DNI protection schemes
- G.813 synchronism, external clock input and output
- Supports 1+1 redundancy
- Supports PDH, Ethernet and STM-64/16/4/1 interface cards



### DM800-MX70

- 70G HO/LO switching capacity, VC-4/3/12 (450x450 STM-1 equivalent)
- Each MPU contains 2xSTM-16/4/1 ports for SFP (Small Form-Factor Pluggable) modules
- Compatible with DM880
- Multiple ring SNC and MS-SPRing, MSP, DNI protection schemes
- 998xE1 DS0 (64 kbit/s) cross-connect
- Supports 1+1 redundancy
- Supports PDH, Ethernet and STM-64/16/4/1 interface cards



### DM800-MPU2500

- 40G HO/LO switching capacity, VC-4/3/12 (256x256 STM-1 equivalent)
- Compatible with DM880 and DM881
- Multiple ring SNC and MS-SPRing, MSP, DNI protection schemes
- 1008xE1 DS0 (64 kbit/s) cross-connect
- G.813 synchronism, external clock input and output
- Supports 1+1 redundancy
- Supports PDH, Ethernet and STM-16/4/1 interface cards



### DM800-MX30C

- 30G HO/LO switching capacity, VC-4/3/12 (160x160 STM-1 equivalent)
- Each MPU contains 2xSTM-16/4/1 ports for SFP (Small Form-Factor Pluggable)modules
- Compatible with DM820 and DM830
- Multiple ring SNC and MS-SPRing, MSP, DNI protection schemes
- 504xE1 DS0 (64 kbit/s) cross-connect
- Supports 1+1 redundancy
- Supports PDH, Ethernet and STM-16/4/1 interface cards



### DM800-MPU622

- 7.4G HO/LO switching capacity, VC-4/3/12 (48x48 STM-1 equivalent)
- Each MPU contains 2xSTM-4/1 ports for SFP modules
- Compatible with DM880, DM881 and DM830
- Multiple ring SNC and MSP protection schemes
- 384xE1 DS0 (64 kbit/s) cross-connect
- G.813 synchronism, external clock input and output
- Supports 1+1 redundancy
- Supports PDH, Ethernet and STM-4/1 interface cards



## DM820-MPU622C

- 3.8G HO/LO switching capacity, VC-4/3/12 (24x24 STM-1 equivalent)
- Each MPU contains 2xSTM-4/1 ports for SFP modules
- Compatible with DM820
- Multiple ring SNC and MSP protection schemes
- 252xE1 DS0 (64 kbit/s) cross-connect
- Supports 1+1 redundancy
- Supports PDH, Ethernet and STM-4/1 interface cards



## Interface Cards



### SDH Interface Cards

#### DM800-HCSTM64

- STM-64 interface card
- Supports XFP modules, intra to ultra long-haul options, CWDM and DWDM available
- Integrated booster available (DM800-HCSTM64 OAB)
- Requires DM800-MPU10G

#### DM800-HC4STM16MI

- Interface card with four STM-16/4/1 and six STM-4/1 combo ports available (max 64x VC-4 capacity)
- Supports SFP modules, intra to ultra long-haul options, CWDM and DWDM available
- Integrated booster or pre-amplifier available
- Requires DM800-MPU10G

#### DM800-HC4STM16

- Quad port STM-16/4/1 interface card
- Supports SFP modules, intra to ultra long-haul options, CWDM and DWDM available
- Integrated booster or pre-amplifier available
- Requires DM800-MPU10G

#### DM800-HC2STM16 HW2

- Dual port STM-16/4/1 interface card (multiple speed for HW2 version only)
- Supports SFP modules, intra to ultra long-haul options, CWDM and DWDM available
- Integrated booster or pre-amplifier available
- Requires DM800-MPU10G, DM800-MPU2500 or DM800-MX30C

#### DM800-HC2STM16

- Dual port STM-16 interface card
- Supports SFP modules, intra to ultra long-haul options, CWDM and DWDM available
- Integrated booster or pre-amplifier available
- Requires DM800-MPU10G, DM800-MPU2500 or DM800-MX30C

#### DM800-HC8STM4

- Octal port STM-4/1 interface card
- Supports SFP modules, intra to ultra long-haul options, CWDM and DWDM available

#### DM800-IC4STM4

- Quad port STM-4 interface card
- Supports SFP modules, intra to ultra long-haul options, CWDM and DWDM available

## DM800-IC8STM1

- Octal port STM-1 interface card
- Supports SFP modules, intra to ultra long-haul options, CWDM and DWDM available

## PDH and Ethernet Interface Cards

### DM800-IC3X34/45

- Triple port 34/45Mbit/s interface card with BNC connectors
- Transparent or structured 34Mbit/s (E3), transparent 45Mbit/s (T3) operation modes
- Traffic mapped on STM-N payload (VC-3/VC-12), E3/T3, E1 interfaces or cross-connected via DS0 matrix
- EPS Protection

### DM800-IC63E1

- 2Mbit/s interface card with 63 electrical E1 ports in two LFH connectors
- Transparent or structured operation (G.704)
- EPS Protection

### DM800-IC32E1 HW2

- 2Mbit/s interface card with 32 electrical E1 ports in one LFH connector
- Transparent or structured operation (G.704)
- EPS Protection

### DM800-IC32E1P

- 2Mbit/s interface card with 32 electrical E1 ports in two TELCO connector
- Transparent or structured operation (G.704)
- EPS Protection

### DM800-IC32E1

- 2Mbit/s interface card with 32 electrical E1 ports in two TELCO connector
- Transparent or structured operation (G.704)

### DM820-ICR12E1

- 2Mbit/s interface card with 12 electrical E1 ports, 1x TELCO connector
- Compatible with DM820

### DM800-IC8FE155

- Fast Ethernet interface card with eight Fast Ethernet ports in RJ45 connectors
- Up to 63xVC-12 or 3xVC-3 mapping capacity
- GFP (Generic Framing Procedure, G.7041), GFP multiplexing and LCAS (Link Capacity Adjustment Scheme, G.7042)
- L2 Switching
- Virtual concatenation (G.707)
- VLAN tagging (802.1Q) and DiffServ QoS/CoS (802.1P)
- Flow Control (back pressure or pause frames) and bandwidth control

### DM800-ICGBE155

- Gigabit Ethernet interface card with one Gigabit Ethernet optic (SFP) or electric (RJ45) port available
- Can be configured to work as a DM800-ICFE155 interface card, with only eight Fast Ethernet ports available in RJ45 connectors
- Up to 63xVC-12 or 3xVC-3 mapping capacity
- GFP (Generic Framing Procedure, G.7041), GFP multiplexing and LCAS (Link Capacity Adjustment Scheme, G.7042)
- L2 Switching
- Virtual concatenation (G.707)
- VLAN tagging (802.1Q) and DiffServ QoS/CoS (802.1P)
- Flow Control (back pressure or pause frames) and bandwidth control

## DM800-HC8GBE and DM800-IC2GBE – Ethernet Service Interface Cards

The DM800-HC8GBE and DM800-IC2GBE interface cards adds to the DM800 multiservice platform Gigabit Ethernet mapping features over the SDH network through patterns of Virtual Concatenation with LCAS support and GFP-F encapsulation. The interface cards also has Package Switch and Traffic Manager integrated, allowing the implementation of various packet-based applications, widely used in new generation networks, allowing direct integration of DM800 platform to Metro Ethernet networks. With advanced features for network protection with support for Spanning Tree protocol family (STP / RSTP / MSTP) ad support to EAPS ring protection, along with advanced QoS features, the interface cards also allow an efficient implementation of service guarantees.



## Functionalities

- Autonegotiation support
- Support to virtual concatenation, according to ITU-T G.707
- LCAS support (G.7042)
- Allows SNC protection over mapped VCs, according to ITU-T G.841
- GFP-F encapsulation, according to ITU-T G.7041
- Level 1 full transparent mode, allowing transparent BPDUs and data packet forwarding, configurable by port
- L2 switching features, according to IEEE 802.1D
- VLANs (Virtual LANs) support according to IEEE 802.1Q
- Allows service count expansion through QinQ (IEEE 802.1Q)
- Jumbo frames support
- Performance and statistics counters support by port and service
- Support to STP (802.1D) and RSTP (802.1W)
- Support to MSTP (802.1S)
- Supports EAPS to implement redundant rings, according to RFC 3619
- Allows traffic aggregation and link redundancy through Link Aggregation support (802.3ad)
- Up to eight traffic classification flows by port
- Flow classification by 802.1p or IP-Precedence (RFC 2474)
- Policing support for low latency voice and video flow
- Traffic shaping support for data flow
- Allows CIR, PIR, CBS and PBS configuration by flow

## Capacities

### DM800-HC8GBE

- Octal Gigabit Ethernet interface card with SFP based ports
- Supports optical 1000Base-X (SX e LX) SFP modules
- Supports optical 100Base-X (LX e FX) SFP modules
- Supports electrical SFP modules for 10Base-T, 100Base-TX, 100Base-FX and 1000Base-T port implementation, working as half or full duplex, according to IEEE 802.3
- Up to 246 VCGs (Virtual Concatenation Groups) build by VC-12, VC-3 or VC-4

### DM800-IC2GBE

- Dual Gigabit Ethernet SFP based ports, which can be equipped with 1000BASE-X (SX e LX), 100Base-FX optical modules or triple-speed electrical
- Dual Gigabit Ethernet triple-speed electrical ports in RJ-45 connectors
- Hex Fast Ethernet 10BASE-T and 100BASE-TX in RJ45 connectors
- Up to 64 VCGs (Virtual Concatenation Groups) build by VC-12, VC-3 or VC-4

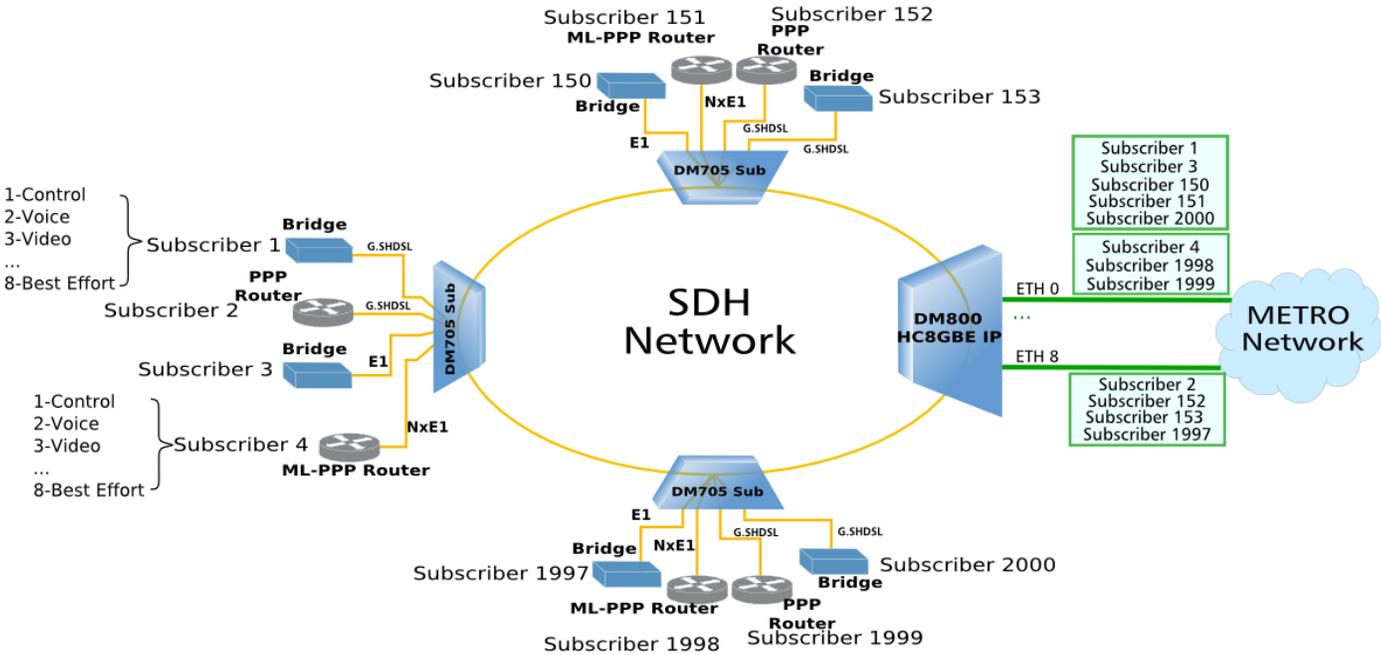
**DM800-HC8GBE IP - Ethernet Service Interface Cards**

The DM800-HC8GBE IP interface cards adds to the DM800 multiservice platform mapping capacity and TDM nx64kbit/s connection termination with high client density. With support to PPP, MLPPP\*, HDLC and Bridge protocols (compatible with Datacom converters), the interface card allows the implementation of service client termination, which are delivered in different VLANs on Gigabit Ethernet ports for connecting the IP network. For each client is assigned an SLA (profile), which defines its CIR/CBS, PIR/PBS, and the bandwidth division between services. Therefore, the priority of each service (voice, video and data) of each client is respected and passed on to the Ethernet network via 802.1p marking, allowing the implementation of end to end QoS.



**Applications**

- Access to the high capacity IP/Ethernet network with guaranteed QoS per customer, turning unnecessary router with SDH ports
- LAN to LAN connection through DATACOM converters or routers (CPE)



## Functionalities

- Octal Gigabit Ethernet interface card with SFP based ports
- Supports optical 1000Base-X (SX e LX) SFP modules
- Supports optical 100Base-X (LX e FX) SFP modules
- Supports electrical SFP modules for 10Base-T, 100Base-TX, 100Base-FX and 1000Base-T port implementation, working as half or full duplex, according to IEEE 802.3
- Autonegotiation support
- Allows connections with up to 1000 remote interface routers by its TDM interfaces
- Each TDM interface operates independently with nx64 PPP protocols (up to 2Mbit / s – according to RFC 1661 and RFC 1662), Bridge nx64 (up to 2Mbit / s, compatible with DM991CE and DM704CE converters) and MLPPP with LFI and cRTP (up to 2Mbit / s, following RFC 1990 and RFC 2686)
- Mapping of the Ethernet ports on TDM ports via VLANs, without limitation of maximum number of VLANs per port
- Client traffic double tagging (inner VLAN, or C-Tag and outer VLAN tag, or S-Tag)
- Support for Link Aggregation with LACP, according to IEEE802.1ax
- Classifies packets from the TDM channels and routing to the Ethernet ports using one of the following methods:
  - Auto: mapping between the IP type of service (DSCP) and quality of service marking for the Ethernet network (802.1p)
  - Fixed: the quality of service from the Ethernet network depends only of the user configuration, not taking into account the type of IP service
- The interface card implements QoS with eight queues per channel (TDM queue CBWFQ and LLQ), providing bandwidth guarantees per service and per customer
- Allows level 1 full transparent mode, ensuring transparent BPDU and data packet forwarding, configurable by port
- L2 wire speed switching features, according to IEEE 802.1D
- VLAN support, according to IEEE 802.1Q
- Allows increase in the number of services through QinQ features support (802.1Q)
- Jumbo frames support
- Performance and statistics counters support by port and service
- Support to STP (802.1D) and RSTP (802.1W)
- Support to MSTP (802.1S)
- Supports EAPS to implement redundant rings, according to RFC 3619

## Optical Amplifiers and DCM Modules

### DM900-OAB

- Active optical booster (EDFA)
- Wave length range from 1530nm to 1560nm
- Programmable output power
- Requires DM800-ICAD2 adapter card

### DM900-OAP

- Active optical pre-amplifier (EDFA)
- Output power -10dBm
- Requires DM800-ICAD2 adapter card

### DM900-DCM

- Passive chromatic Dispersion Compensation Module
- Fits into an MA-13 tray or DM800-ICAD2 adapter card

## General Purpose Cards

### DM800-GPCHK1

- General Purpose Card for housekeeping with auxiliary ports
- One EOW voice channel with DTMF signaling
- External alarm input and output ports
- Two RS-232 ports
- One V.11 interface
- Compatible with DM880, DM881 and DM830

### DM800-GPCHK2

- General Purpose Card for housekeeping with auxiliary ports
- One EOW voice channel with DTMF signaling
- External alarm input and output ports
- Two RS-232 ports
- One V.11 interface
- Compatible with DM880, DM881 and DM830
- Input/Output clock in DB25 connected to the interface card with outlets in BNC connector

### DM820-ICRHK

- General Purpose Card reduced for housekeeping with auxiliary ports
- Four inputs and two output alarm ports
- One EOW voice channel with DTMF signaling
- One V.11 interface
- G.703 clock input and output
- Real time clock
- Compatible with DM820

## Compatibility with MPUs and Interface Cards per Chassi

### DM880

MPU	DM880 Support	HCSTM64	HC4STM16MI	HC4STM16	HC2STM16	HC2STM16 HW2	HC8STM4	IC4STM4	IC8STM1	IC3X34/45	IC63E1	IC32E1	IC32E1 HW2	IC32E1P	ICR12E1	IC8FE155	ICGBE155	HC8GBE	IC2GBE	HC8GBE-IP	GPCHK1	GPCHK2	ICRHK	
MPU622	X	-	-	-	-	-	-	X	X	X	X	X	X	X	-	X	X	-	-	-	X	X	-	
MPU2500	X	-	-	-	X	X	X	X	X	X	X	X	X	X	-	X	X	X	X	X	X	X	X	-
MPU10G	X	X	X	X	X	X	X	X	X	X	X	X	X	X	-	X	X	X	X	X	X	X	X	-
MX70	X	X	X	X	-	X	X	X	X	X	X	X	X	X	-	X	X	X	X	X	X	X	X	-
MX30C																								
MPU622C																								

### DM881

MPU	DM881 Support	HCSTM64	HC4STM16MI	HC4STM16	HC2STM16	HC2STM16 HW2	HC8STM4	IC4STM4	IC8STM1	IC3X34/45	IC63E1	IC32E1	IC32E1 HW2	IC32E1P	ICR12E1	IC8FE155	ICGBE155	HC8GBE	IC2GBE	HC8GBE-IP	GPCHK1	GPCHK2	ICRHK	
MPU622	X	-	-	-	-	-	-	X	X	X	X	X	X	X	-	X	X	-	-	-	X	X	-	
MPU2500	X	-	-	-	X	X	X	X	X	X	X	X	X	X	-	X	X	X	X	X	X	X	X	-
MPU10G																								
MX70																								
MX30C																								
MPU622C																								

### DM830

MPU	DM830 Support	HCSTM64	HC4STM16MI	HC4STM16	HC2STM16	HC2STM16 HW2	HC8STM4	IC4STM4	IC8STM1	IC3X34/45	IC63E1	IC32E1	IC32E1 HW2	IC32E1P	ICR12E1	IC8FE155	ICGBE155	HC8GBE	IC2GBE	HC8GBE-IP	GPCHK1	GPCHK2	ICRHK	
MPU622	X	-	-	-	-	-	-	X	X	X	X	X	X	X	-	X	X	-	-	-	X	X	-	
MPU2500																								
MPU10G																								
MX70																								
MX30C	X	-	-	-	-	X	X	X	X	X	X	X	X	X	-	X	X	X	X	X	X	X	X	-
MPU622C																								

DM820

MPU	DM820 Support	HCSTM64	HC4STM16MI	HC4STM16	HC2STM16	HC2STM16 HW2	HC8STM4	IC4STM4	IC8STM1	IC3X34/45	IC63E1	IC32E1	IC32E1 HW2	IC32E1P	ICR12E1	IC8FE155	ICGBE155	HC8GBE	IC2GBE	HC8GBE-IP	GPCHK1	GPCHK2	ICRHK	
MPU622										-														
MPU2500										-														
MPU10G										-														
MX70										-														
MX30C	X	-	-	-	-	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	-	-	X	
MPU622C	X	-	-	-	-	-	X	X	X	X	X	X	X	X	X	X	X	-	-	-	-	-	X	

## Network Management System

### DmView Enterprise

- Widely deployed Network Management System
- One platform manages SDH, PDH and Metro Ethernet products
- Network Management with end-to-end provisioning and advanced OAM
- Fault identification and diagnostics
- NE Configuration
- Inventory Management
- Performance Management with customizable reports
- Security Management with users and group permissions



*\* Please contact Datacom for additional information.  
Specifications may change without notice. Please contact Datacom for updated information.*