



Digital Networks

Product Update

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Product Portfolio



Enterprise

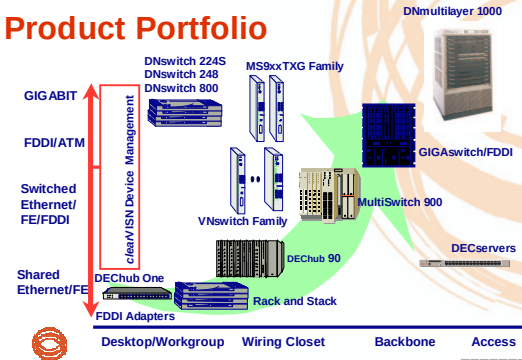
- Digital Networks develops and markets industry-standard high-performance class network products for:
 - Backbone DNmultilayer 1000; GIGAswitch/FDDI
 - Wiring Closet MultiSwitch 900 – (Chassis & Standalone) / VNSwitch
 - Workgroup DNswitch 224S/248/800 DEChub 90 (Stackable & Standalone) DECswitch 90
 - Access DECservers (Chassis & Standalone)
 - Adapters DECcontroller/FDDI
 - Device Mgmt clearVISN



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Product Portfolio



The diagram illustrates the product portfolio across different network layers and technologies. It includes:

- Backbone:** DNmultilayer 1000, GIGAswitch/FDDI
- Wiring Closet:** MultiSwitch 900, VNSwitch Family, MS9xxTXG Family
- Access:** DNswitch 224S, DNswitch 248, DNswitch 800, DEChub 90, DECswitch 90, DECservers
- Desktop/Workgroup:** DEChub One, Rack and Stack, FDDI Adapters

Connectivity options shown on the left include GIGABIT, FDDI/ATM, Switched Ethernet/FE/FDDI, and Shared Ethernet/FE. A vertical bar indicates 'clearVISN Device Management'.



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Digital Network Products

Continue to Deliver ...

- Seamless integration of multiple technologies
 - Rolling upgrades to mission critical networks
- Proven, high-performance switching platforms
- Unique scalability, extensibility and flexibility
 - Higher density, stand-alone and in-hub modularity
- More than a decade of proven investment protection

Worldwide Customers Continue to Approve ...

- 50,000 + MultiSwitch 900 chassis installed
- 110,000 + DEChub 90 chassis
- 4000 + GIGAswitch/FDDI chassis
- Over 1,000,000 Digital modules sold to date



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MultiSwitch 900 Highlights

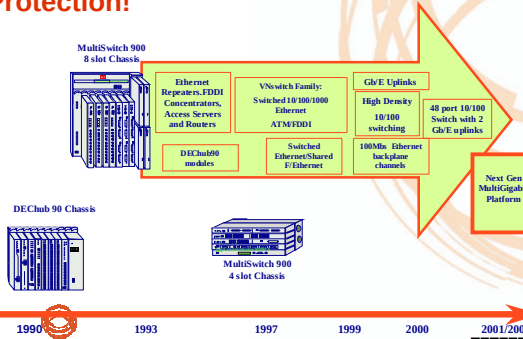
- Multi-technology Platform supporting 10/100/1000 Ethernet, FDDI, and ATM
- Technology independent software configurable backplane
- 100mbs backplane connectivity with clearVISN v3.0
- High density FE modules w/Gb/E uplinks
- Over 50,000 8 slot chassis in field today
- Continue to ship over 3,000 MS900 modules/qr.
- Continue to ship over 300 MS900 chassis' per qtr.



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MultiSwitch 900 - True Investment Protection!



The diagram shows the MultiSwitch 900 8 slot Chassis and its various modules: Ethernet Repeaters, FDDI Concentrators, Access Servers and Routers; DEChub90 modules; VNSwitch Family: Switched 10/100/1000 Ethernet, ATM, FDDI; Switched Ethernet/Shared F/Ethernet; Gb/E Uplinks; High Density 10/100 switching; 100Mb Ethernet backplane channels; and 48 port 10/100 Switch with 2 Gb/E uplinks. A timeline at the bottom shows the product's evolution from 1990 to 2001/2002, with a large arrow pointing to the 'Next Gen MultiGigabit Platform'.



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MultiSwitch 900 Switching Chassis

MultiSwitch 900
Backplane Channels - types and total #

400 Mb/s VNbus x 3

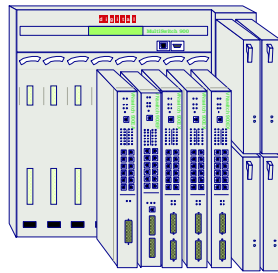
155 Mb/s ATM x 4

100 Mb/s FDDI x 4

100 Mb/s Fast Ethernet
x12

10 Mb/s Ethernet x 12

NOTE: Maximum channel types above do not reflect
backplane capacity - when using more than one channel
type, the maximum per network will be shared.



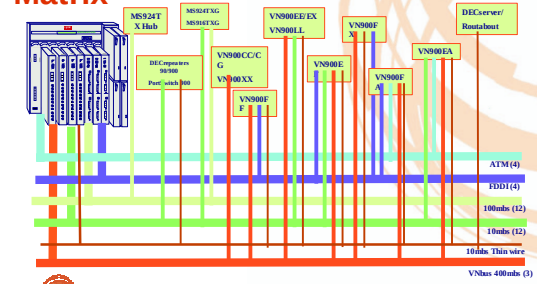
Orderable Part Numbers:

Chassis: DMHUB-66

Power Supply: H7894-MA

Note: Chassis ships with 1 p/s

MS900 Backplane Connectivity Matrix



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MultiSwitch FE Switch 916TXG



Benefits

- Hot swap and rolling upgrade capability assure zero disruption to operational network
- Forward at line rate
- Intra-switch data paths keep traffic local to the module (does not need the backplane or central resources)

Orderable Part Number: DFETX-MB

Features

- 16-port 10/100BaseTX Switched Fast Ethernet
- 802.1Q VLAN support
- 802.1p Priority Queuing
- 2 Gigabit Ethernet ports
- 1000Base-SX MMI
- 1000Base-LX MMI
- MultiSwitch 900 backplane connectivity through 12 10/100 channels
- Managed with clearVISN
- 128 VLANs per switch
- 4 groups RMON

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MultiSwitch FE Switch 924TXG



Benefits

- Hot swap and rolling upgrade capability assure zero disruption to operational network
- Forward at line rate
- Intra-switch data paths keep traffic local to the module (does not need the backplane or central resources)

Orderable Part Number: DFETX-MA

Features

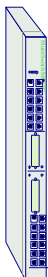
- 24-port 10/100BaseTX Switched Fast Ethernet
- 802.1Q VLAN support
- 802.1p Priority Queuing
- 1 Gigabit Ethernet port
- 1000Base-SX MMI
- 1000Base-LX MMI
- MultiSwitch 900 backplane connectivity through 12 10/100 channels
- Managed with clearVISN
- 128 VLANs per switch
- 4 groups RMON

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MultiSwitch FE Switch 948TXG High Density 10/100 switch with 2 Gigabit Ethernet ports



Benefits

- Redundant gigabit ports to backbone or servers
- Trunking of 10/100 ports as well as GbE ports
- Standards based to interoperate within multi-vendor networks
- Provides a cleaner wiring closet solution

Q3, 01

Features

- 48 Port Fast Ethernet Switch w/2 ports GbE
- 24 RJ45 connections supporting 48 10/100 Ethernet ports
- 2 Modular Gigabit Ethernet ports
- 12 additional internal 10/100 ports for connections to MS900 backplane
- Low cost per 10/100 port
- Value-added features:
 - IEEE 802.1Q/p
 - IEEE 802.3ad Link Aggregation
 - IGMP Snooping/IP Multicast support
 - Web based management
 - RMON Alarms, Events, History, Statistics, Future RMON2 and SMON

Orderable Part Number: DFE48-MX

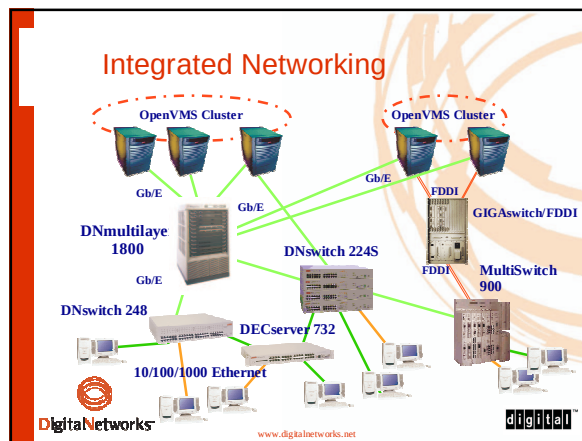
Networking Solutions Focus

- ♦ Workgroup and departmental/wiring closet LAN Connectivity products:
 - DNswitch family (224S, 248, 800)
- ♦ Device server connectivity
 - DECserver family
- ♦ Switching routers for the Enterprise Campus backbone
 - DNmultilayer family (1100, 1200, 1400, 1800)

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New Products and Service Offerings

- DNmultilayer 1000 Family
- DNswitch Family
- DECserver 732
- DECswitch 90
- DNservices

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