

***D-Link:
aktivní prvky pro Vaše
sítě, multimediální
produkty***

Aleš Hill

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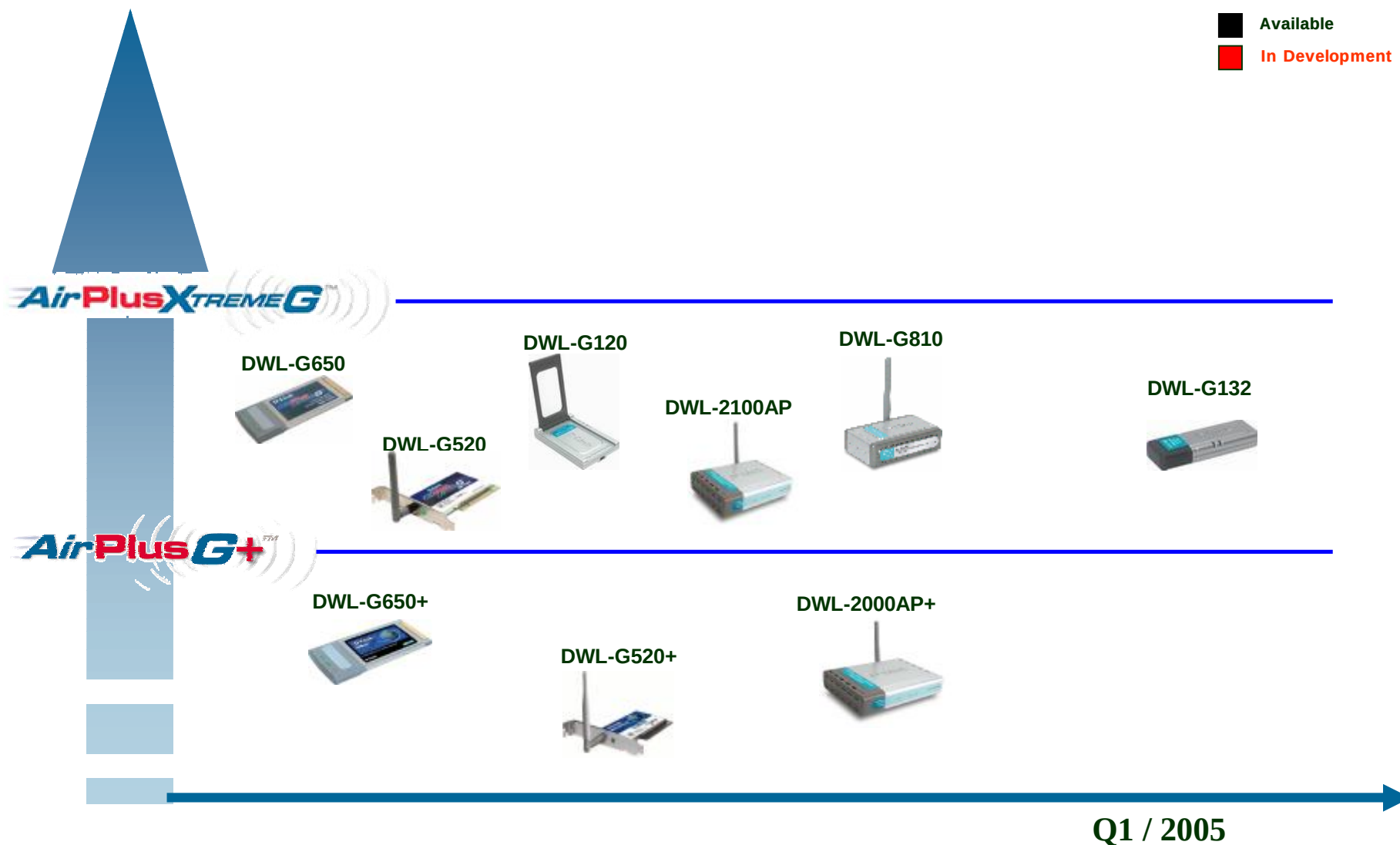
www.dlink.cz

hotel Panorama, 22.3.2005

- ◆ Bezdrátové produkty
- ◆ Switche
- ◆ Širokopásmová komunikace
- ◆ Firewally
- ◆ Digitální domácnost, IP kamery

Bezdrátové produkty

■ Available
■ In Development





DWL-G122	2005/3	NA
DWL-G132	2005/3	NA
DWL-G650	2005/1/M	Schedule on 12/29
DWL-G520	2005/1/M	Schedule on 2005/1/B
DWL-G650+	2005/1/M	PASS
DWL-G520+	2005/1/M	Schedule on 12/21
DWL-G120+	TBD	NA
DWL-2000AP	NA	NA
DWL-2000AP+	2005/3	NA
DWL-2100AP	2005/2	PASS
DI-624	NA	NA
DI-624+	NA	NA
DI-824VUP+	NA	NA
DWL-AG660	2005/3	NA
DWL-AG530	2005/3	NA
DWL-7000AP	NA	NA
DI-784	NA	NA
DWL-AG132	2005/3	NA

- ◆ Description: Business Class Wireless AP with PoE
- ◆ Key Features
 - Ø One 802.3af POE (Power Over Ethernet) Port
 - Ø Plenum Rating Metal Housing
 - Ø Enhanced Security
 - IEEE 802.11i Ready, WPA-Personal, WPA-Enterprise, AES
- ◆ WDS (3 Operational modes)
 - Ø Access Point
 - Ø Point-to-Point Bridging (PtP)
 - Ø Point-to-Multipoint Bridging (PtMP)
- ◆ Easy Management
- ◆ Two Dual 5dBi High Gain Antenna
- ◆ Target Market: SMB, Businesses, Enterprise



◆ DWL-G710

- Ø WLAN Repeater
- Ø 802.11b/g
- Ø repeating and reaching longer distance of wireless signal



◆ DI-624M

- Ø 4 antennas (2 External Antennas, 2 Internal)
- Ø Up to 108Mbps In Super G Mode
- Ø Up to 8x Better Coverage
- Ø Higher Speeds At Further Distances

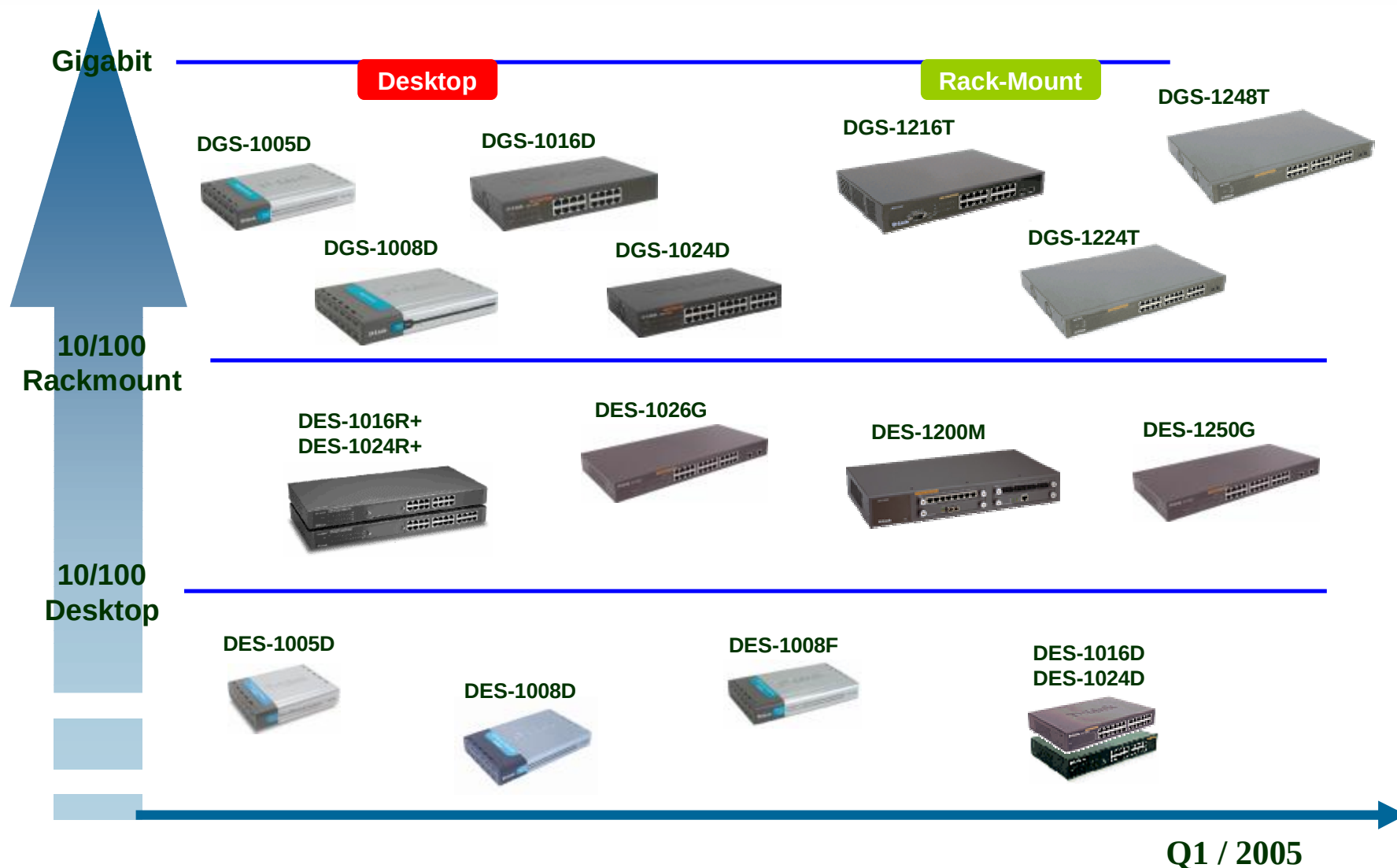


◆ DWL-G650M

- Ø Enhanced Wireless Coverage with Smart Antenna MIMO Technology
- Ø Supports WPA and 802.1x
- Ø Fully compatible with 802.11g and 802.11b



Switche



Why D-Link Unmanaged Gigabit Switches

- ◆ Inexpensive way for bottleneck-free Gigabit speedy backbone & servers
- ◆ Cost-Effectiveness
- ◆ Ideal method to deploy a Gigabit to desktop plug-and play environment
- ◆ The smallest desktop form factor leads the entire market.
- ◆ Support cable diagnostic addition function (DGS-1005D/1008D/1016D/1024D only)

Need more **SPEED!**



1000Mbit **GigaExpress**

Sada s gigabitovým přepínačem

DGE-910

Nákupní cena pro prodejce (bez DPH):

1710 Kč

Koncová prodejní cena (bez DPH): **1675 Kč**

1x DGS-1085D

Gigabitový slotový přepínač s 5 porty

- 5 gigabitových portů 10/100/1000Mbit TP (RJ-45)
- Auto MDI/MDIX UpLink na všech portech pro jednoduché rozšíření bez křížového kabelu
- Řízení toku dat pro zamezení ztrátám při přenosu
- 10Gbit přepínací skémice (Switch Fabric)
- Bez ventilátoru (tichý chod)
- 2000Mbit Full-Duplex

1x DGE-5281

Gigabitová síťová karta, PCI

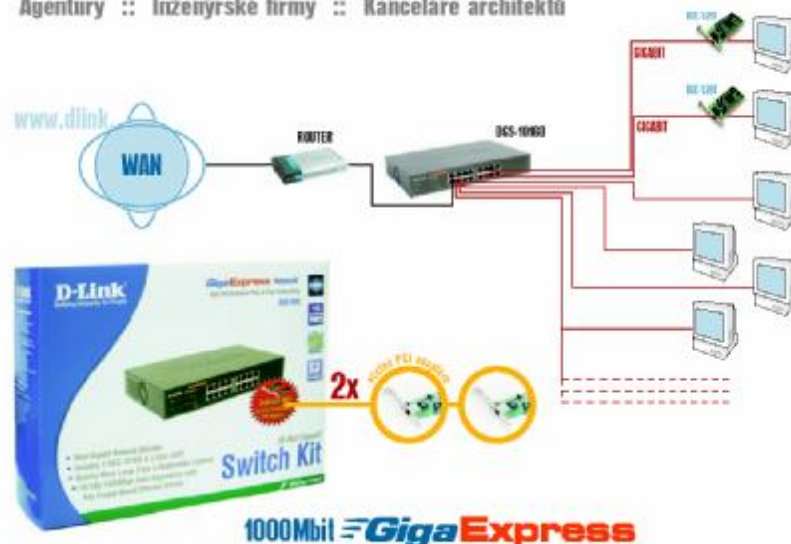
- 10/100/1000Mbit TP (RJ-45)
- 32bitová karta PCI Bus Master
- Řízení toku dat pro zamezení ztrátám při přenosu
- ACPI 2.0 WOL (zapnutí přes síť)

Společně rychleji a výhodněji: sada s Sportovním gigabitovým přepínačem DGE-910. Ideální pro herní týmy a LAN party! Podporují špičkovou gigabitovou rychlost až 2000Mbit přes kabel - „pařba“ bez „lagů“ a pohodlné propojení více spoluhráčů do sítě pro ještě větší zážitek ze hry! Zbysle rychlý přenos obrázků a filmů pro ještě více zábavy - rychleji už to nejde! A výhodněji už vůbec ne!

Více informací získáte na: www.dlink.cz

1000Mbit vyšší výkon: GigaSít!

Agentury :: Inženýrské firmy :: Kanceláře architektů



1000Mbit = **GigaExpress**

Sada s gigabitovým přepínačem

DGS-930

Nákupní cena pro prodejce
(bez DPH):

6090 Kč

Koncová prodejní cena
(bez DPH): **7017 Kč**

1x DGS-930D

Gigabitový stělní přepínač s 16 porty

- 16 gigabitových portů 10/100/1000Mbit TP (RJ-45)
- Auto MDI/MDIX Uplink na všech portech pro jednoduché rozšíření bez křížového kabelu
- Řízení toku dat pro zamezení ztrátám při přenosu
- 32Gbít přepínací sběrnice (Switch Fabric)
- 2000Mbit Full-Duplex

2x DGE-528T

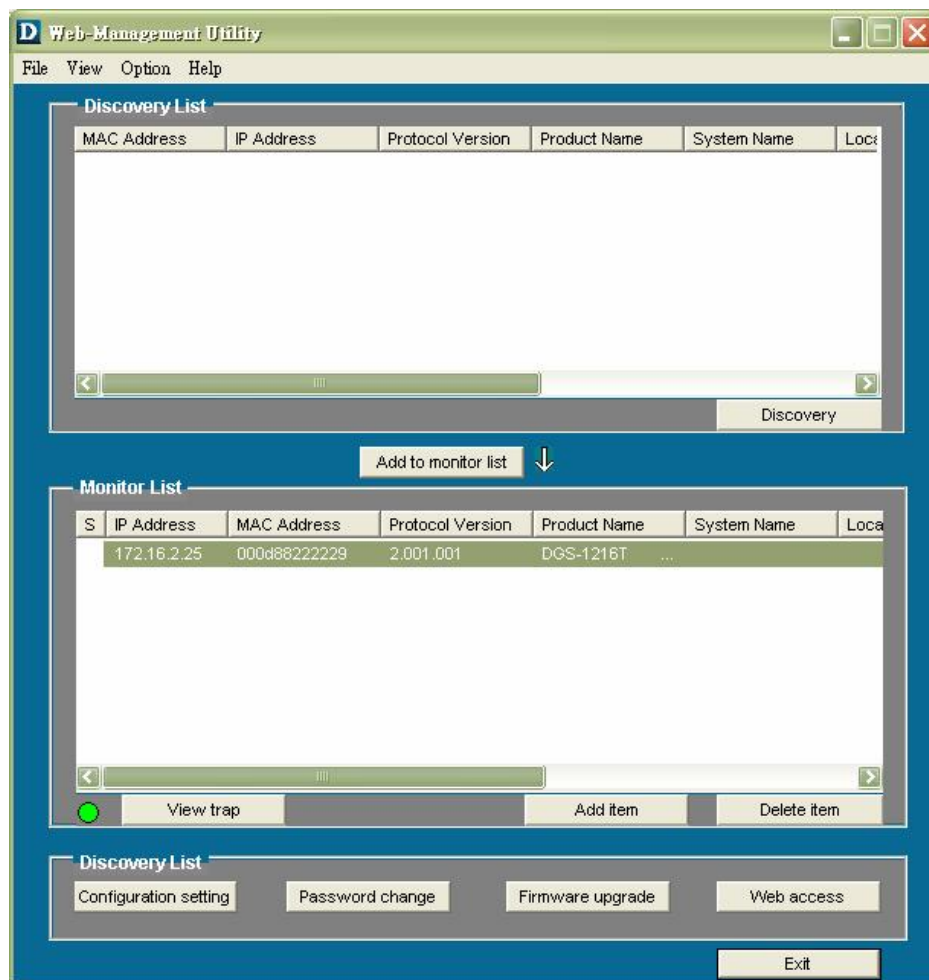
Gigabitová síťová karta, PCI

- 10/100/1000Mbit TP (RJ-45)
- 32bitová karta PCI Bus Master
- Řízení toku dat pro zamezení ztrátám při přenosu
- ACPI 2.0 WOL (zapnutí přes síť)

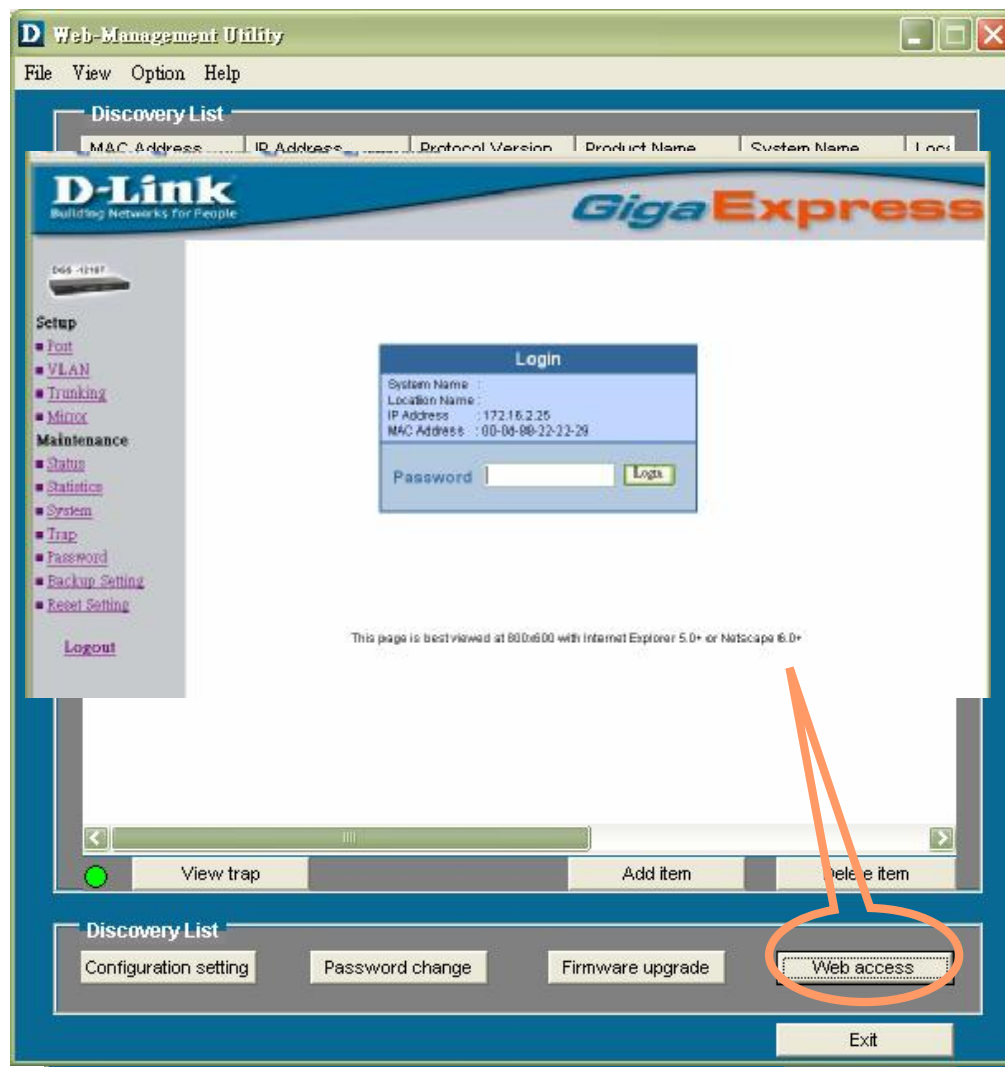
Prímá integrace, rychlá instalace - sada s 16portovým gigabitovým přepínačem DGS-930 je ideálním řešením pro profesionální propojení do sítě v oblasti malých kanceláří. Pohodlná Plug&Play instalace do již existujících technologií a síťových prostředí stejně jako špičkový výkon na minimálním prostoru zaručují flexibilní nasazení sady. Přepínač s 16 porty zajišťuje současný přenos velkých množství dat, stejně jako řízení provozu pro lepší zabezpečení sítě - a to při rychlosti až 2000 Mbit! Vítejte v GigaSít!

Více informací získáte na: www.dlink.cz

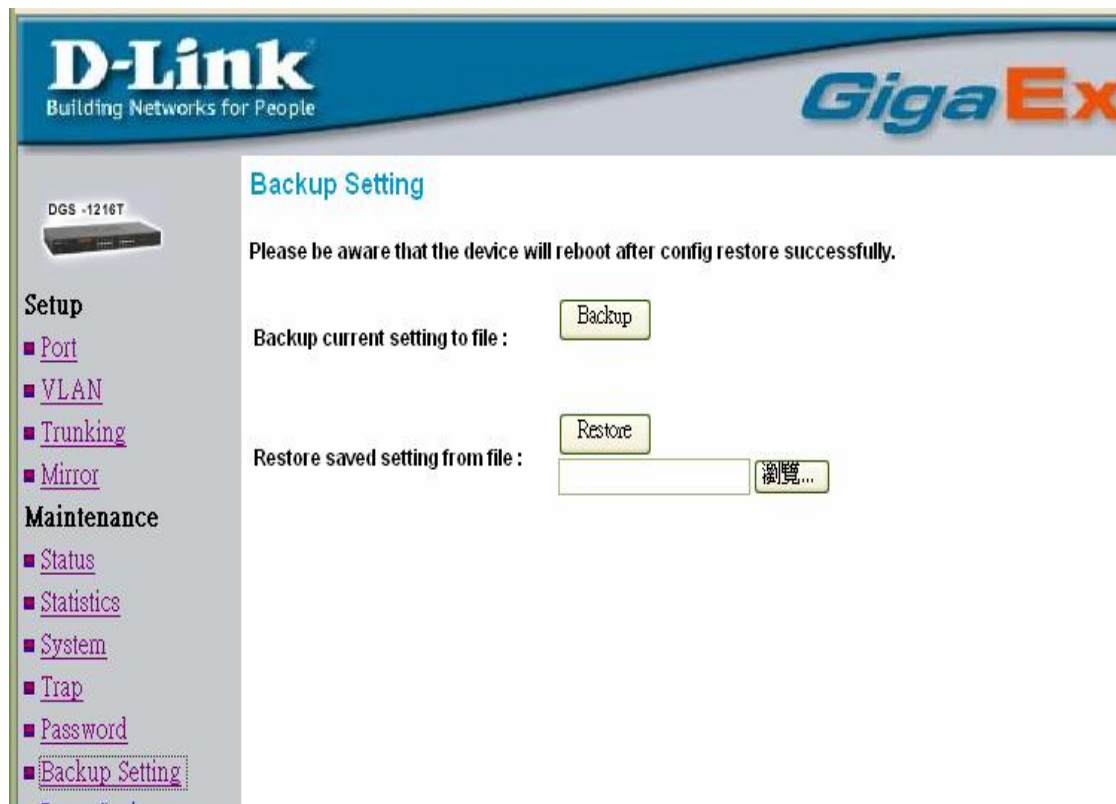
Why use Web-Smart switch?



- With easy and useful central monitoring interface, Auto-Discovery utility, network admin could easily control numerous D-Link Smart Switches by IP address even Switches over Internet.



- View Log on remote switch with one click
- View Trap on remote switch with one click
- Upgrade firmware to remote Switch with one click
- Open each Web-Smart Switch remote control interface with one click



- Switch port configuration
- Port-based VLAN setting for network segment.
- Trunking group and Port Mirror setting.
- Trap IP setting for windows-based utility easily monitor.
- Backup function for configuration backup.

Which Model Support
Web-Smart function ?

○ D-Link DES-1250G, DGS-1216T & 1224T

- § Equipped with 2 built-in Combo 1000Base-T(DES-1250G only) / Mini GBIC (SFP) ports**
- § Support Port-based QoS & Port-based VLAN**
- § Support Port Mirror, Port trunking & Auto-MDI/MDIX**
- § Equipped web-based management interface and windows-based central monitoring utility.**



DES-1250G



DGS-1216T



DGS-1224T

Managed Switches Roadmap



Wireless

Managed Switches Roadmap



■ Available
■ In Development

POE



DES-1316K
(Include 2 DWL-P50)



DES-1526
• 24 10/100M, 2 Combo Giga
• PoE on all 24 ports
• Smart Switch



DWL-P100



DWL-P50

Q1 / 2005



Wireless

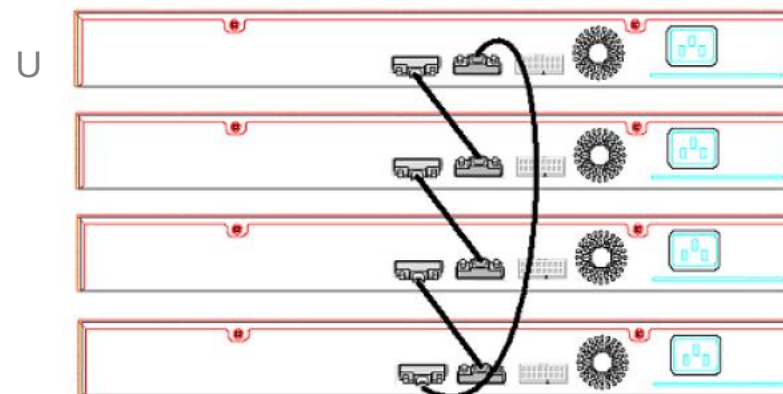
xStack: 10-Gig Stacking Family

- ◆ D-Link Systems' Next Generation Stackable Series Of Products Are Designed To Provide D-Link With A Next Generation Switching Platform To Accelerate The Adoption Of Gigabit Ethernet
- ◆ The Platform Is Designed To Be A Flexible High Performance Solution To Meet The Following Customer Needs:
 - Ø Stand-Alone High Performance Desktop Applications
 - Ø Medium Density Stackable Applications
 - Ø Mixed Migration Solutions of 10/100 and Gigabit
 - Ø Mid-Sized Chassis Alternatives

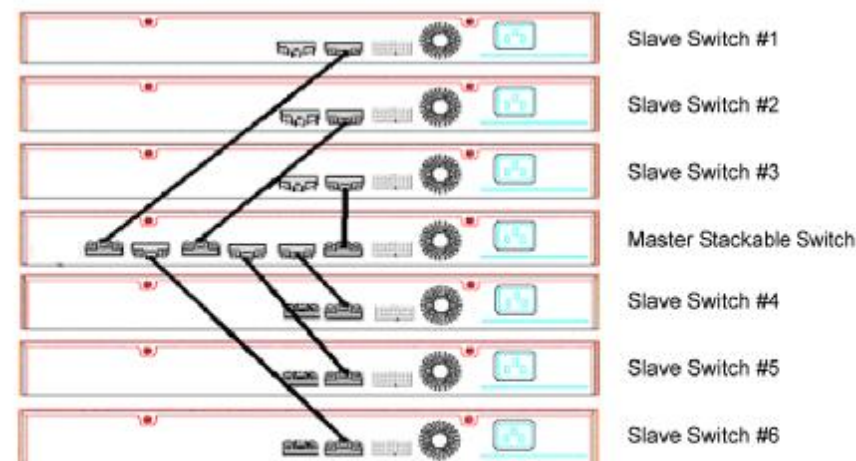


xStack: Next Generation

- ◆ Single IP Address Management For The Stack
- ◆ Recoverable “Self-Healing” Ring Architecture- 20Gbps Stacking Bandwidth Per Port
- ◆ Can Be Interchangeable Stacked With DXS-3350SR/DXS-3326GSR
- ◆ Supports Up To 384 10/100/1000Mbps Ports In a Single Stack
- ◆ Stacking Ports Support Ring Mode Or Master-Slave Mode (When Used With *DGS-3324SRi*)- Up to 120Gbps Dedicated Stacking Bandwidth

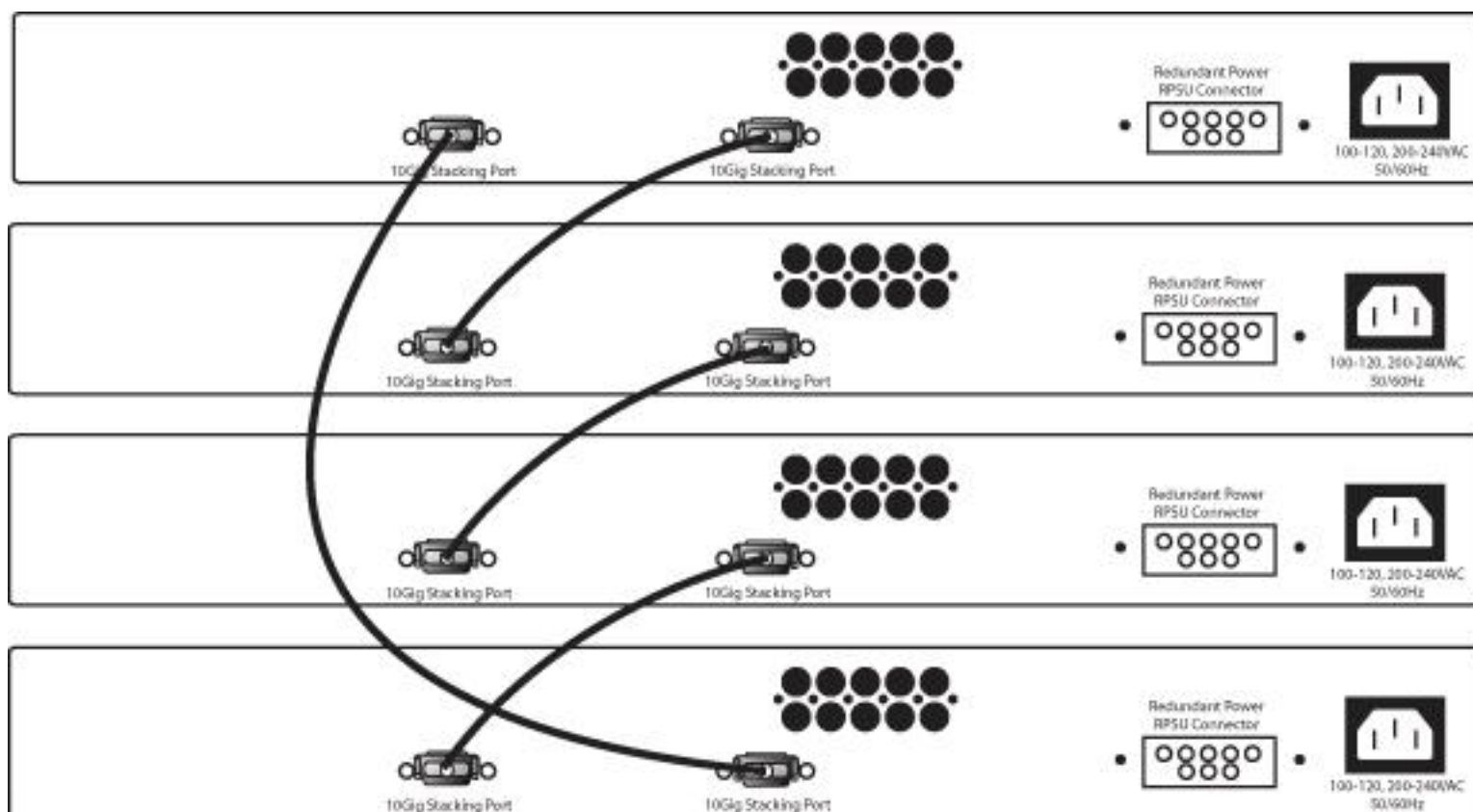


Ring [Bus] Architecture

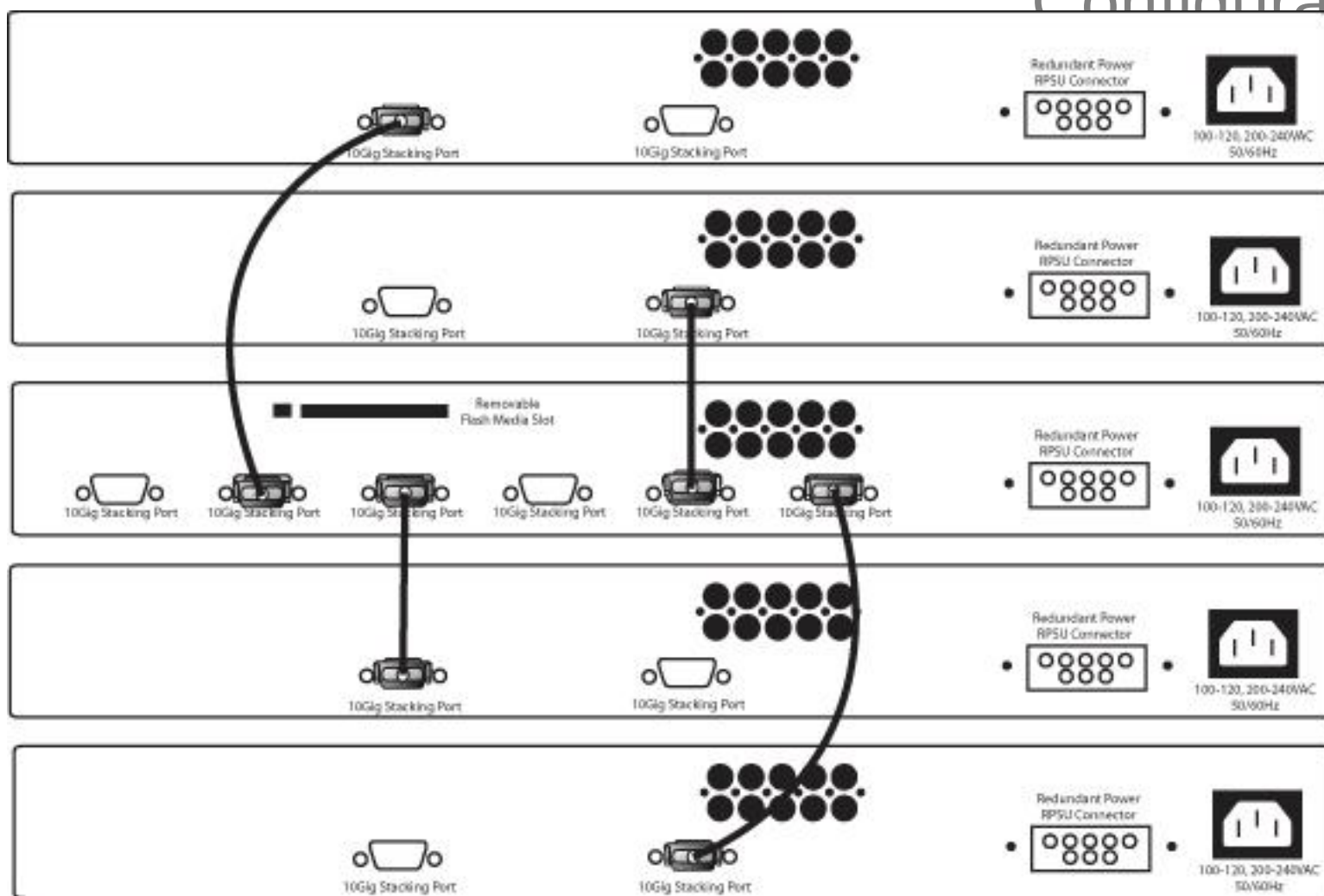


Star Architecture

xStack: Scalable Redundant Ring



xStack: Upgrade Ring To Star Configuration



XStack Next Generation Stackable Family

High Performance Layer 2 & Layer 3 Gigabit & 10 Gigabit

- ◆ DGS-3324SRi



- ◆ DGS-3324SR



- ◆ DXS-3350SR



- ◆ DXS-3326GSR



- DEM-420X



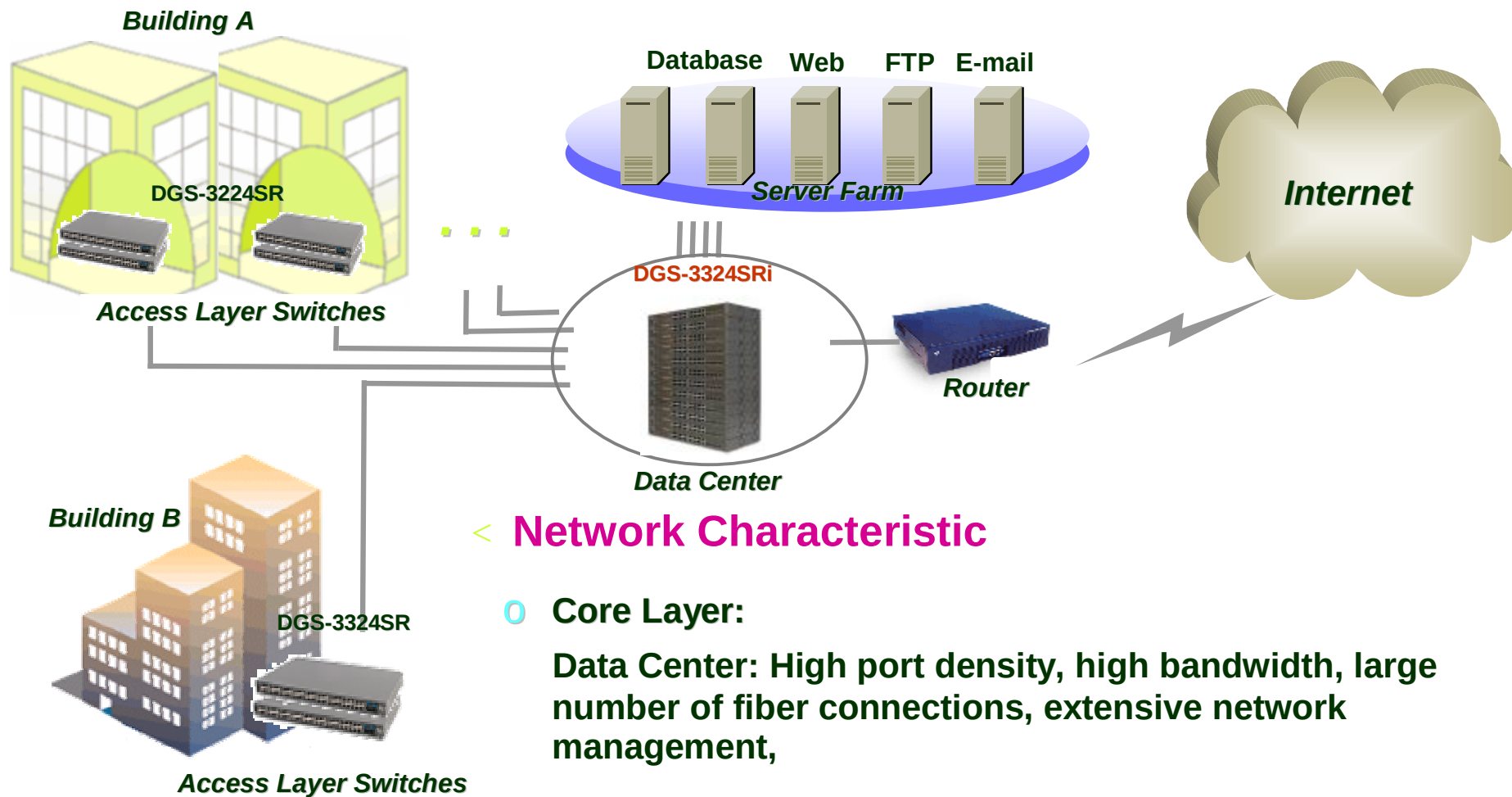
- DEM-421XT

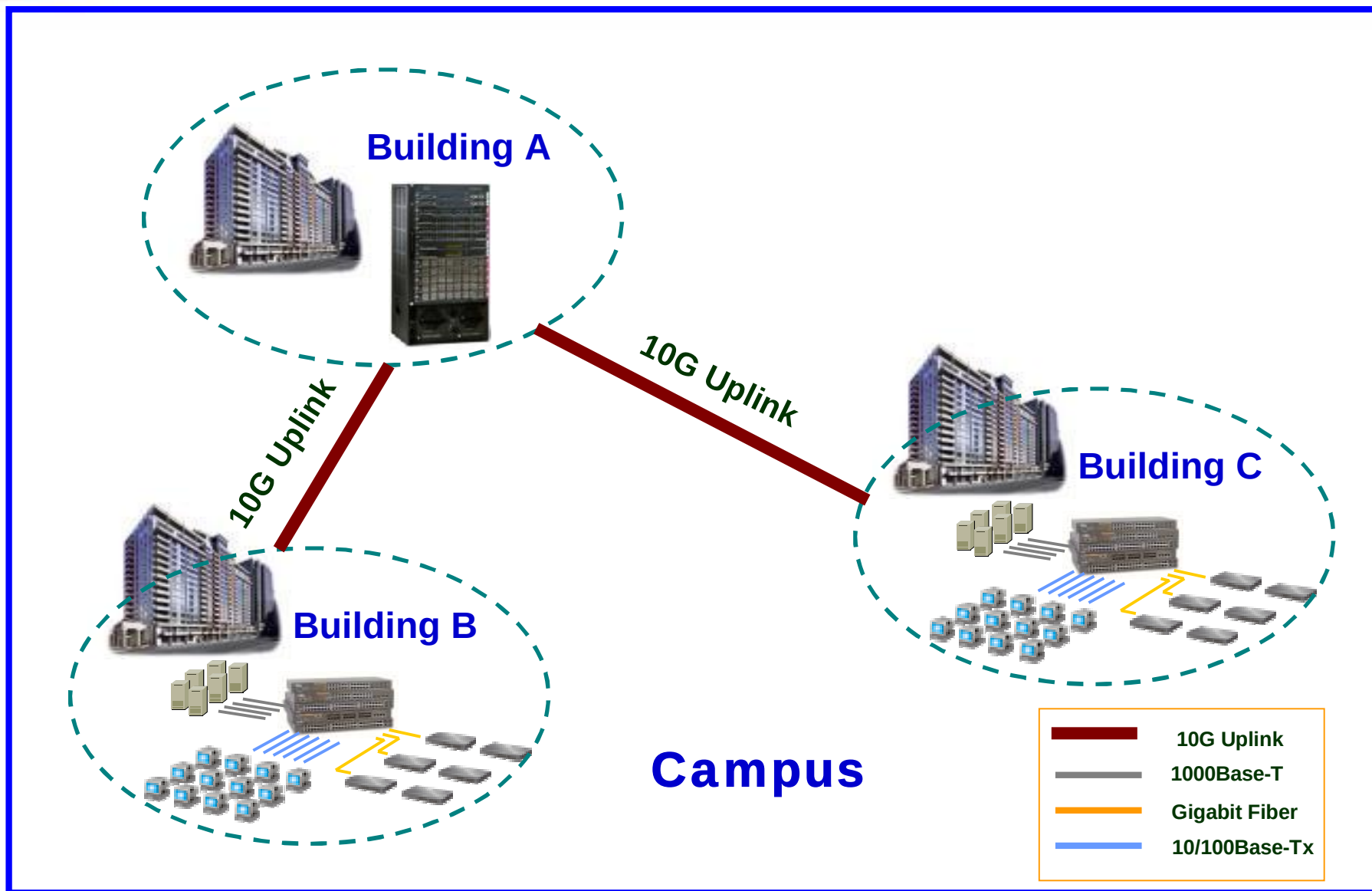


- DEM-422XT



10GbE Applications





xStack Product Family

Software Specifications

- ◆ **VLAN Support**

- Ø Port-based
- Ø 802.1q
- Ø GARP/GVRP
- Ø Asymmetric VLAN Support (Release 2)

- ◆ **Link Aggregation/Port Trunking**

- Ø 32 Groups Per Stack, 8 Ports Per Group
- Ø Ether Channel Support
- Ø 802.3ad (static mode)
- Ø 802.3ad (dynamic mode) (Release 2)
- Ø LACP (Release 2)



- ◆ **Routing**

- Ø RIPv1/v2
- Ø OSPF
- Ø RIP/OSPF Redistribution
- Ø VRRP (Release 2, Q2)

- ◆ **Multicast**

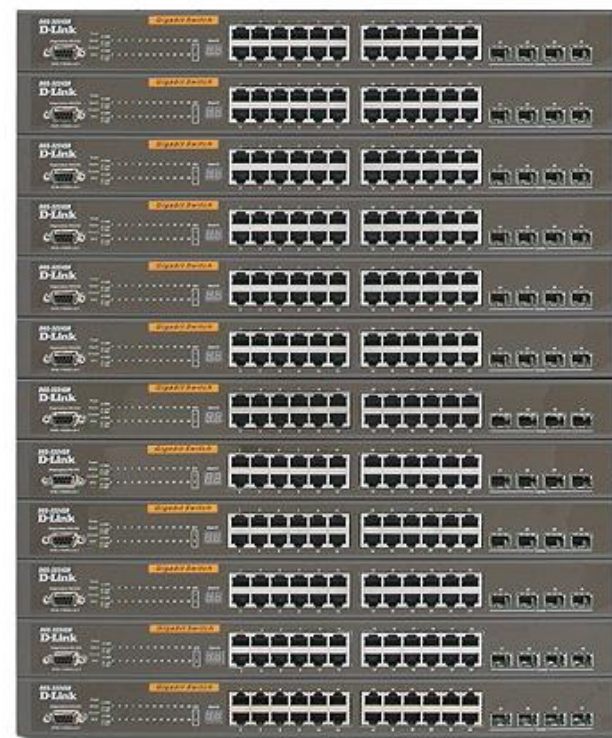
- Ø DVMRP
- Ø PIM-DM
- Ø PIM-SM (Release 3)

- ◆ Same Software Code For DGS-3324SR, DGS-3324SRi, DXS-3326GSR, DXS-3350SR



◆ Network Management

- Ø Front Panel - RS-232 Console Support For Out-Of-Band Management
- Ø Telnet Remote Console - CLI
- Ø SNMPv1/v2/v3 Agent
- Ø Web-based Network Management
- Ø Support For 4 Groups Of RMON
 - n History
 - n Statistics
 - n Alarms
 - n Events
- Ø DHCP Client/BootP Client Support
- Ø Multi-User Account Access



- ◆ **QoS/CoS (8 Egress Queues FCS)**
 - Ø 802.1p - Classification/Marking
 - Ø MAC SA/DA - Classification/Marking
 - Ø ToS - Classification/Marking
 - Ø DSCP (DiffServ) – Classification/Marking
 - Ø TCP/UDP – Classification/Marking
- ◆ **Multicast Support**
 - Ø IGMPv1/v2 Snooping Support
- ◆ **Spanning Tree Support**
 - Ø 802.1d Spanning Tree
 - Ø 802.1w Rapid Spanning Tree
 - Ø 802.1s Multiple Spanning Tree



DGS-3224SR

- ◆ **Network Management**

- Ø Port Mirroring
- Ø Traffic Segmentation
- Ø Bandwidth Control
- Ø MAC Based ACL
- Ø IP Addr/TCP/UDP Port Number Filtering
- Ø SYSLOG
- Ø Port Security

- ◆ **Single IP Address Management**



DGS-3324SRi

◆ Security

- Ø 802.1x Port Based Authentication
- Ø 802.1x MAC Based Authentication (Release 3)
- Ø SSH2 (Release 2)
- Ø TACACS (Release 2)
- Ø TACACS+ (Release 2)
- Ø SSL (Release 3)
- Ø MAC Address Lock Down
- Ø L2/L3/L4 ACL Rules (Hardware Supports Up to 128 Rules Per Device)



DES-3352SR

PoE Solutions DES-1316K & DWL-P50

- ◆ 16 x 10/100Mbps (8xPoE, 8x non-PoE)
- ◆ Remote power over Cat5 network cabling for WLAN Access Points, Cameras and VoIP phones, max. 100m
- ◆ Works directly with Industry standard 802.3af PoE compatible devices
- ◆ Supplies up to 15.4W per PoE port with Auto-disable protection
- ◆ Kit contains 2 PoE adapters for not 802.3af compatible devices (DWL-P50)
- ◆ Each attached device can benefit from a central uninterruptable power supply (UPS)
- ◆ Smart Switch features VLAN, Trunking, QoS, Port Mirroring



DES-1316K
(Include 2 DWL-P50)



DWL-P50



DES-6500

Next Generation Mid-Sized Chassis

Key Product Features

- ◆ 9 Slot Mid-Sized Chassis (8 - I/O Slots)
- ◆ 160Gbps Switching Capacity
- ◆ Up To 142Mpps Forward Capacity
- ◆ Line Card Hot-Swap
- ◆ 2 Redundant Power Supply Bays
- ◆ Layer 3 Hardware-based Routing
- ◆ Based On The Same Architecture as DGS-3324SRi



Hardware Specifications

- ◆ Layer 3
- ◆ 160Gbps Single Chip Switch Fabric
- ◆ Support for up to 4000 static VLAN groups
 - Ø 255 Groups FCS
- ◆ Supports Up To 16,000 MAC Addresses
- ◆ Support For Bandwidth Rate Control For Unknown Multi/Unicast Traffic
- ◆ Internal Universal AC Power
- ◆ Front Panel Unit ID LED Indicator

Software Specifications

- ◆ Similar to xSTACK



Product Positioning:

- Ø As a High Port Density Switch Solution
- Ø Comprehensive Network Media Support with Multiple Link Aggregation
- Ø Ideal For Solutions Requiring High Fiber Connectivity
- Ø High Switch Fabric Capacity: 160Gbps
- Ø Fault Tolerance with Line Card Hot-Swap and Redundant Power Backup
- Ø Comprehensive Network Management
- Ø Extensive QoS/CoS Support
- Ø Cost-effective Enterprise, Backbone and Campus Network

Layer 3 Managed Gigabit Ethernet 10/100/1000Mbps Product Positioning

Stackables



DGS-3324SRi/DGS-3324SR
Up To 1,4Tbps Switching Capacity
Up to 384 10/100/1000Mbps Ports Per Stack



DES-6500
Up to 160Gbps Switching Capacity
Up To 96 10/100/1000Mbps Ports

Chassis



DES-6300
Up to 22Gbps Switching Capacity
Up To 12 10/100/1000Mbps Ports

Chassis

Gigabit Ethernet



DES-3500 Series

- ◆ Next Generation Of DES-3226S & DES-3250TG With More Advanced HW & SW Features
- ◆ Both DES-3526 & 3550 Come With Built-in 2 Combo 1000base-T/ SFP Ports And External Redundant Power Support Which Largely Increase The Uplink Flexibility & HW Availability
- ◆ More Powerful Product Series Comparing With Cisco 2950, HP 2600, Dell 3300, 3com 4200 & ATI 8300 Series
- ◆ Both DES-3526 & 3550 Can Be Within One Stack, Not Limited To Same Models
- ◆ Rich Functionalities Make It Ideal For Campus & Enterprise Market

New Technology Single IP Management Technology

○ Existing DES-3x26S Ring Stacking Architecture



2 Key Disadvantages

- Stackable, limited to same models
- Single Point of Failure

Providing single IP address management of up to 32 switches and not limited to specific models, specialized cables, distance barriers, stacking method and no single point of failure



What Single IP Management Can Do For Your Network

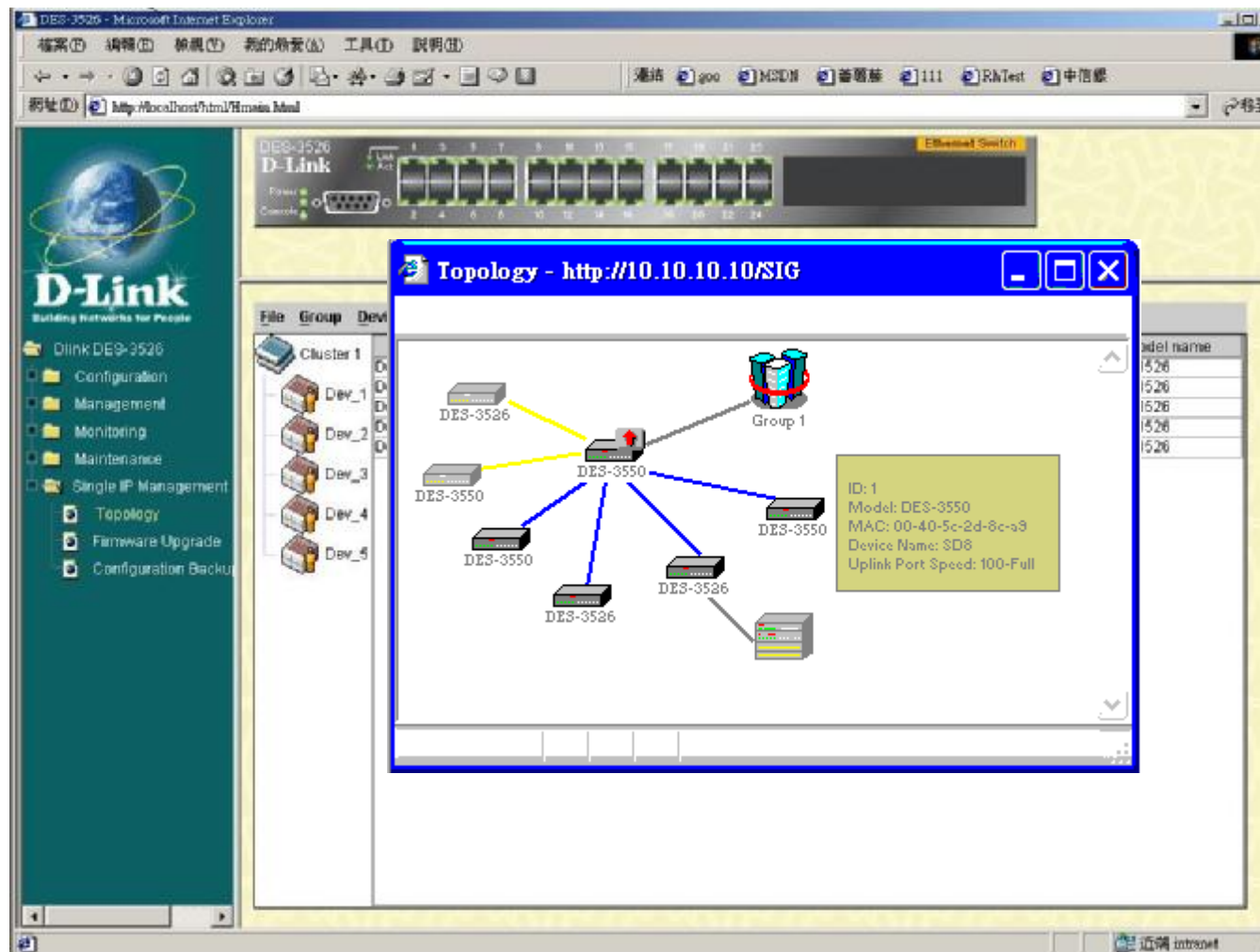
- o **Tree View:** Clear information about the members of the virtual stack

The screenshot displays the D-Link DES-3526 web management interface in a Microsoft Internet Explorer browser window. The address bar shows 'http://localhost/html/Htmain.html'. The interface features a left-hand navigation pane with a tree view structure. The tree view is expanded to show 'Single IP Management' with sub-items: 'Topology', 'Firmware Upgrade', and 'Configuration Backup'. The main content area displays a table of network devices under the 'Cluster 1' group. The table has columns for Device name, Local port, Speed, Remote port, Mac Address, and Model name. The data shows five devices (Dev_1 to Dev_5) connected to local port 1, with speeds of 100-Full or 10-Full, and MAC addresses in the format 00-40-5c-62-c8-aX. The model name for all devices is DES-3526.

Device name	Local port	Speed	Remote port	Mac Address	Model name
Dev_1	1	100-Full	2	00-40-5c-62-c8-a1	DES-3526
Dev_2	1	100-Full	2	00-40-5c-62-c8-a2	DES-3526
Dev_3	1	100-Full	3	00-40-5c-62-c8-a3	DES-3526
Dev_4	1	100-Half	4	00-40-5c-62-c8-a4	DES-3526
Dev_5	1	10-Full	5	00-40-5c-62-c8-a5	DES-3526

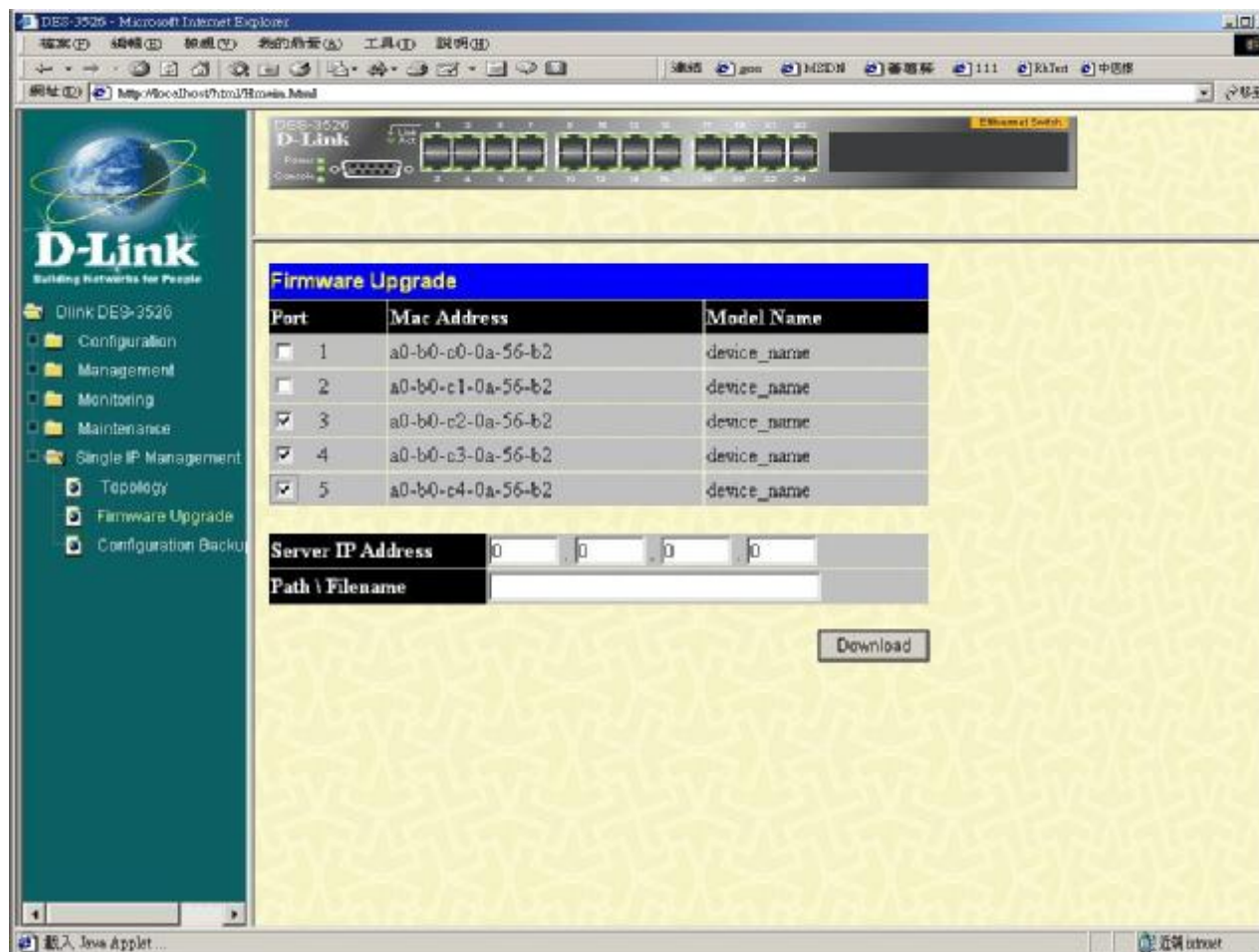
What Single IP Management Can Do For Your Network

○ Topology View: Illustrate The Network Map & Link Information



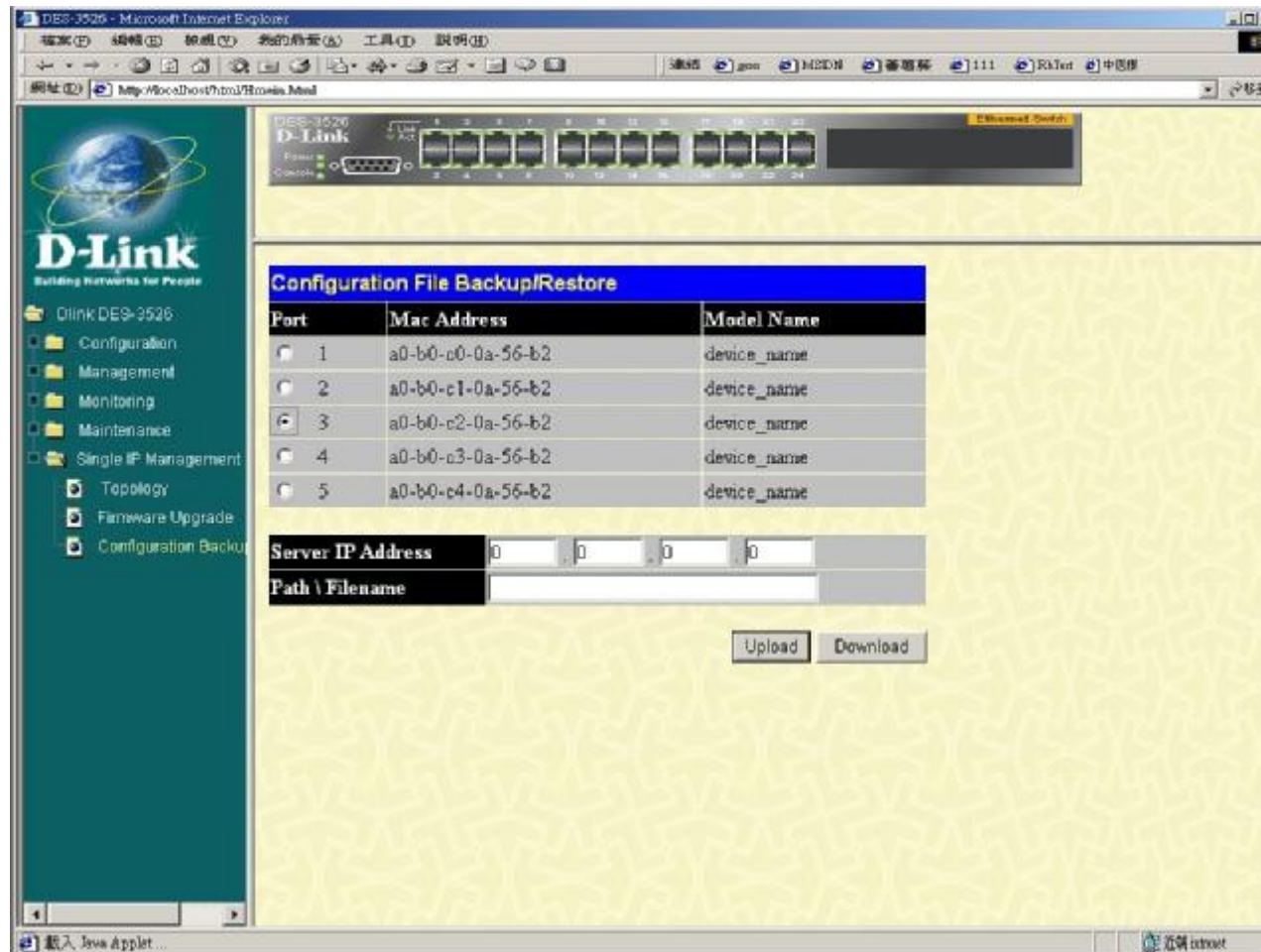
What Single IP Management Can Do For Your Network

○ Simultaneously Upgrade The Firmware For Multiple Devices



What Single IP Management Can Do For Your Network

0 Easy To Backup Any Device's Configuration In The Stack



D-Link 3500 Series and Single IP Management

○ D-Link 3500 Series

- Next Generation of DES-3226S & DES-3250TG
- Both come with 2 built-in Combo 1000Base-T / SFP ports
- Both support external redundant supply
- Mutual stackable via [Single IP Management](#) technology
- Inherit all software features of DES-3226SM
- Consistent UI & CLI design
- Enhanced TACACS+ & Radius management functions
- More advanced ACL support helps block virus/ worm attack



DES-3526



DES-3550

DGS-3x12SR, DES-6500, xStack series will support Single IP Management

Product Overview: DES-3526 & DES-3550

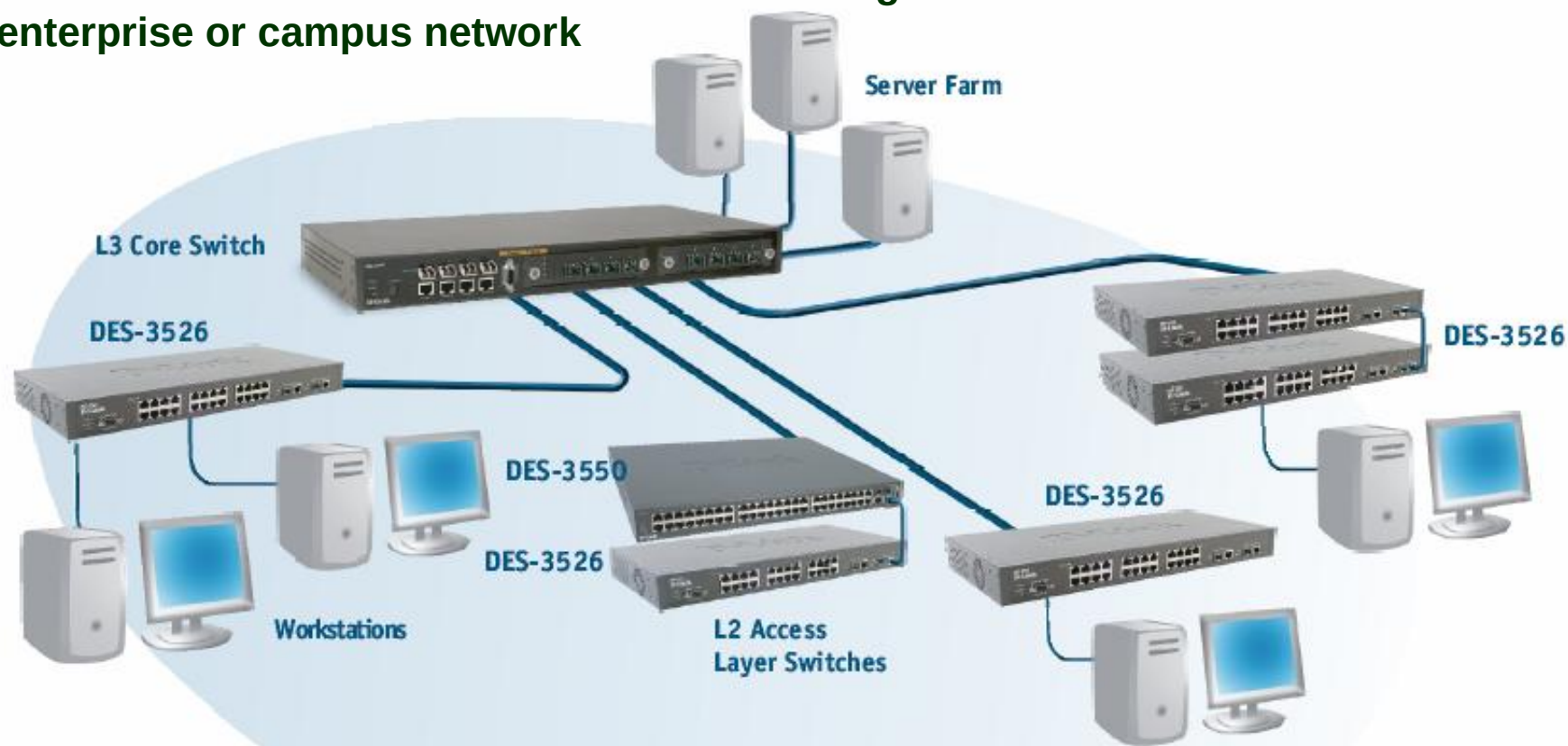


- ◆ **24/48-port 10/100Mbps, plus 2 Combo 1000Base-T/SFP ports managed Switch**
- ◆ **Mutual stackable via Single IP Management technology, providing single IP address management for a virtual stack of up to 32 Switches**
- ◆ **Complete Network Access Management Solution including 802.1x and Port Security**
- ◆ **Support External Redundant Power Supply**
- ◆ **Support Multi-layer Quality of Service and ACL**
- ◆ **Support 802.1Q & Asymmetric VLAN, maximum number of VLAN:255**
- ◆ **Enhanced TACACS+ & Radius authentication support**

Application

Extending Our Strength in Access Layer Switching

DES-3500 series is an ideal solution at the edge of enterprise or campus network

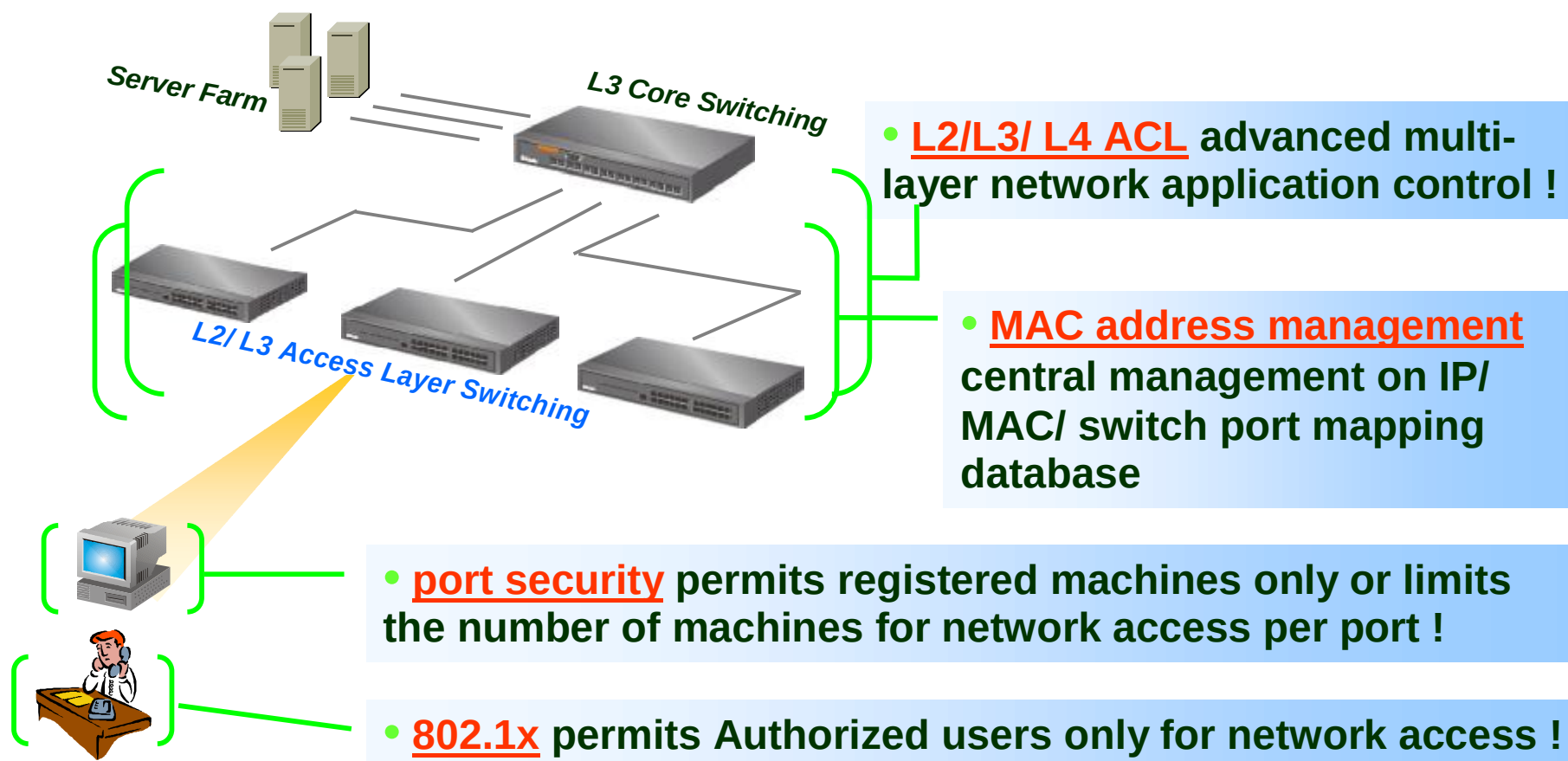


DES-3500 series can be virtually stacked and all be managed via one single IP address

Virtual Stack

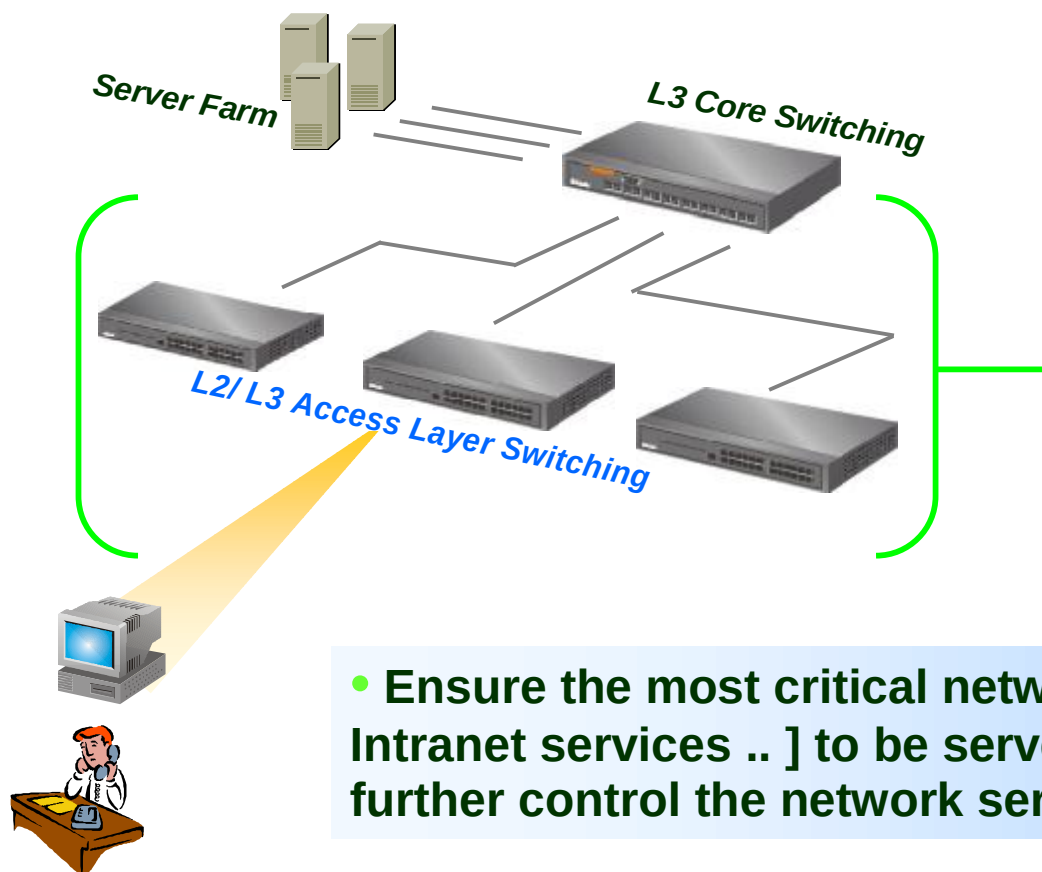
D-Link's Strength

- Most cost effective solution with complete security & QoS features



D-Link's Strength

○ Most Cost Effective Solution With Complete Security & QoS Features



- Multi-Layer QoS support

Prioritize network traffic by

- Definable application type
- User's IP Address
- Host's MAC Address
- Switch Port
- 802.1p, DSCP info

- Ensure the most critical network services [like VoIP, ERP, Intranet services ..] to be served with proper priority and further control the network service quality

Širokopásmová komunikace

■ Available
■ In Development

Router

DSL-564T
Ethernet Router+Switch



DSL-G664T
Wireless Ethernet Router+Switch



Modem



DSL-562T
USB/Ethernet Router



DSL-560T
Ethernet Router



DSL-362T
USB/Ethernet Modem



DSL-360T
Ethernet Modem

Product News:

- ADSL2/2+ Upgrade scheduled for Q2'05

Express EtherNetwork

VPN Routers

DI-804HV



DI-824VUP+



DI-824VS



■ Available
■ In Development

SOHO/SMB

DI-707P



DI-704P



DI-604



MultipleIP



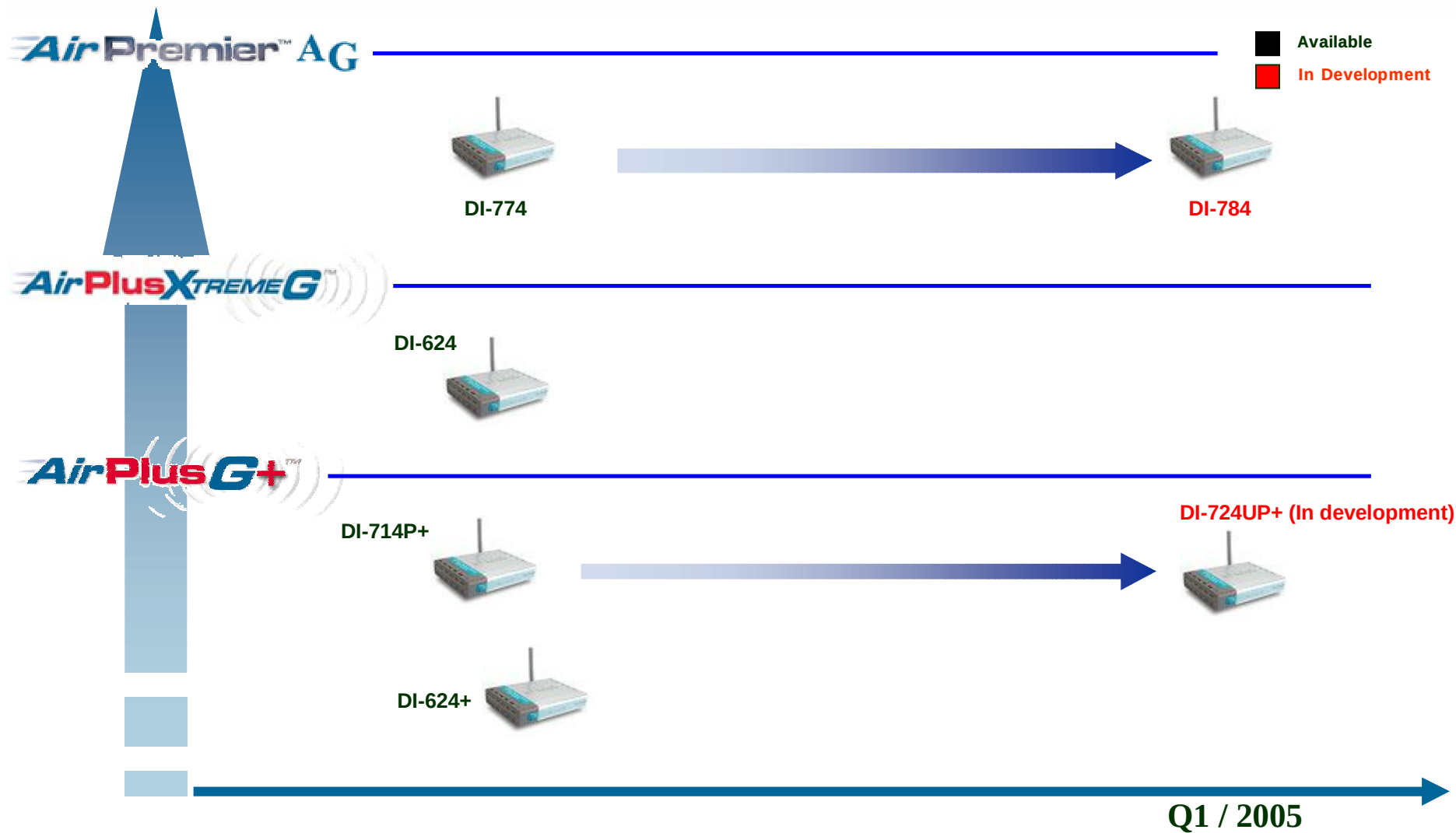
MultipleIP

Support Multiple Public IP



Support 12Eye

Q1 / 2005



- ◆ Following products will include Trend Security CD inside
 - Ø DWL-G730AP, DI-624, DI-624+
- ◆ Target date: March – May 2005



•DI-6 series Cost-effective Products

◆ IP Sharing Function

- NAT/NPAT
- DHCP server/client support
- VPN pass through
- PPPoE
- PPTP client for ISP
- Web-based configuration
- TFTP for software upgrade
- NTP support
- DDNS
- Virtual server mapping
- UPnP support

◆ Security Function

- Access-list control
- Stateful Packet Inspection
- Domain Filtering
- URL Blocking
- IP Filtering
- MAC address Filtering
- Network Access Rule
- Block WAN Ping
- Virtual DMZ port
- DoS

Target Market

Home users require IP sharing for Internet access and very price-conscious

•DI-7 series Function-added Products

◆ IP Sharing Function

- NAT/NPAT
- DHCP server/client support
- VPN pass through
- PPPoE
- PPTP client for ISP
- Web-based configuration
- TFTP for software upgrade
- NTP support
- DDNS
- Virtual server mapping
- UPnP support

◆ Security Function

- Access-list control
- Stateful Packet Inspection
- Domain Filtering
- URL Blocking
- IP Filtering
- MAC address Filtering
- Network Access Rule
- Block WAN Ping
- Virtual DMZ port
- DoS

◆ **Advanced Function**

- **SNMP**
- **Static/Dynamic Routing**
- **Printer server**

Target Market

SOHO users require printer sharing and advanced network management functions besides the IP sharing for Internet access

•DI-8 series VPN-supported Products

◆ IP Sharing Function

- NAT/NPAT
- DHCP server/client support
- VPN pass through
- PPPoE
- PPTP client for ISP
- Web-based configuration
- TFTP for software upgrade
- NTP support
- DDNS
- Virtual server mapping
- UPnP support

◆ Security Function

- Access-list control
- Stateful Packet Inspection
- Domain Filtering
- URL Blocking
- IP Filtering
- MAC address Filtering
- Network Access Rule
- Block WAN Ping
- Virtual DMZ port
- DoS

◆ Advanced Function

- SNMP
- Static/Dynamic Routing
- VPN support
(L2TP/PPTP/IP Sec)
- VPN Main/Aggressive mode
- Auto back-up com port

Target Market

SMB and Enterprise users require VPN to protect data against infection by Internet

Firewally



Enterprise

DFL-1100
1 WAN, 1 LAN, 1 DMZ



DS-605
[5 users license]



SMB/SME

DFL-700
1 WAN, 1 LAN, 1 DMZ



Home/SOHO

DFL-200
1 WAN, 4 LAN, 1 DMZ



DS-601
[1 user license]



Why choose DFL-200/700?



- ◆ **The DFL-200/700 are new security gateway appliances in desktop form factor**
- ◆ **Versatile security solution, including:**
 - Ø "Stateful inspection" for packet filtering
 - Ø Office-to-Office and mobile user VPNs
 - Ø User Authentication
 - Ø Intrusion Detection / Prevention
 - Ø Content Filtering
 - Ø Web-based management
 - Ø Bandwidth management (DFL-700 only)



DFL-200



DFL-700



- ◆ **The DFL-1100 is a new security gateway appliance in rack mount form factor.**
- ◆ **Versatile Security Solution, including:**
 - Ø “Stateful inspection” for packet filtering
 - Ø Office-to-Office and Mobile User VPNs
 - Ø Bandwidth Management
 - Ø User Authentication
 - Ø Intrusion Detection / Prevention
 - Ø Content Filtering
 - Ø Web-based management
 - Ø HA (High Availability)



DFL-1100

Why choose DS-601/605?



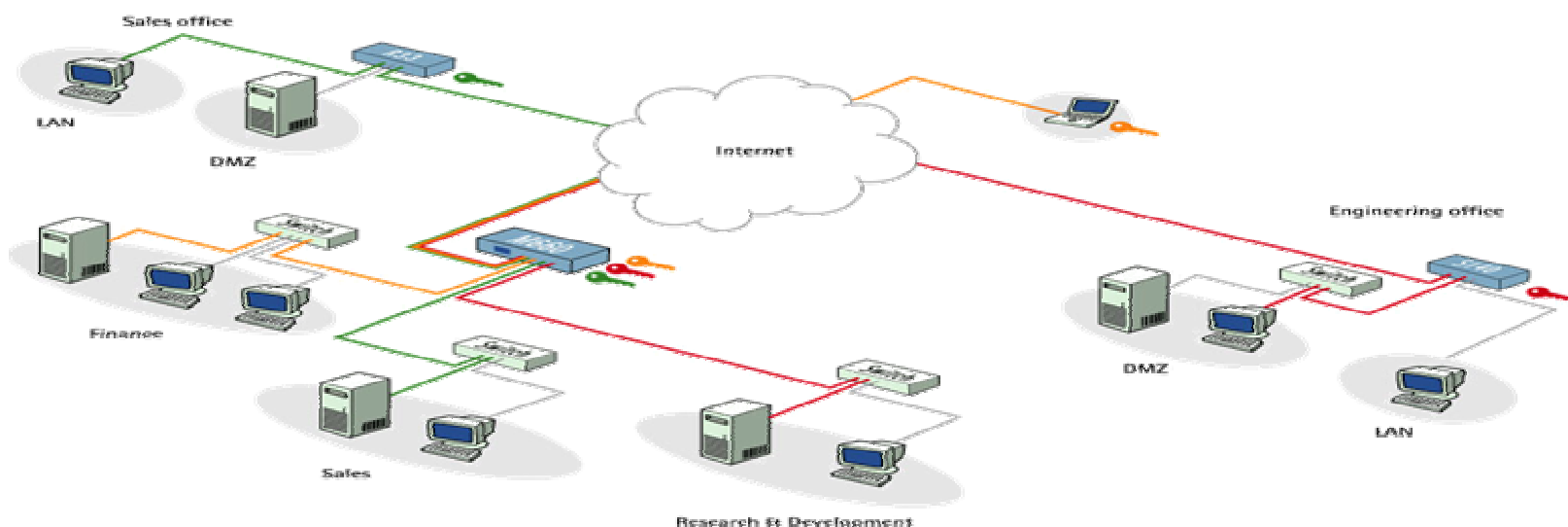
- ◆ Base on IETF specified IPSec-conformant design compliance with industrial standard.
- ◆ Fully support gateway failover, EAP, DES/3DES & AES encryption, DPD, DDNS functions for easy VPI remote access.
- ◆ Support NAT & Transparent mode for easy communication between client and gateway.
- ◆ Being approved & tested with whole series of D-Link NETDEFEND firewall and DI-804HV, DI-808HV, DI-824VUP ensure users seamless connection environment.

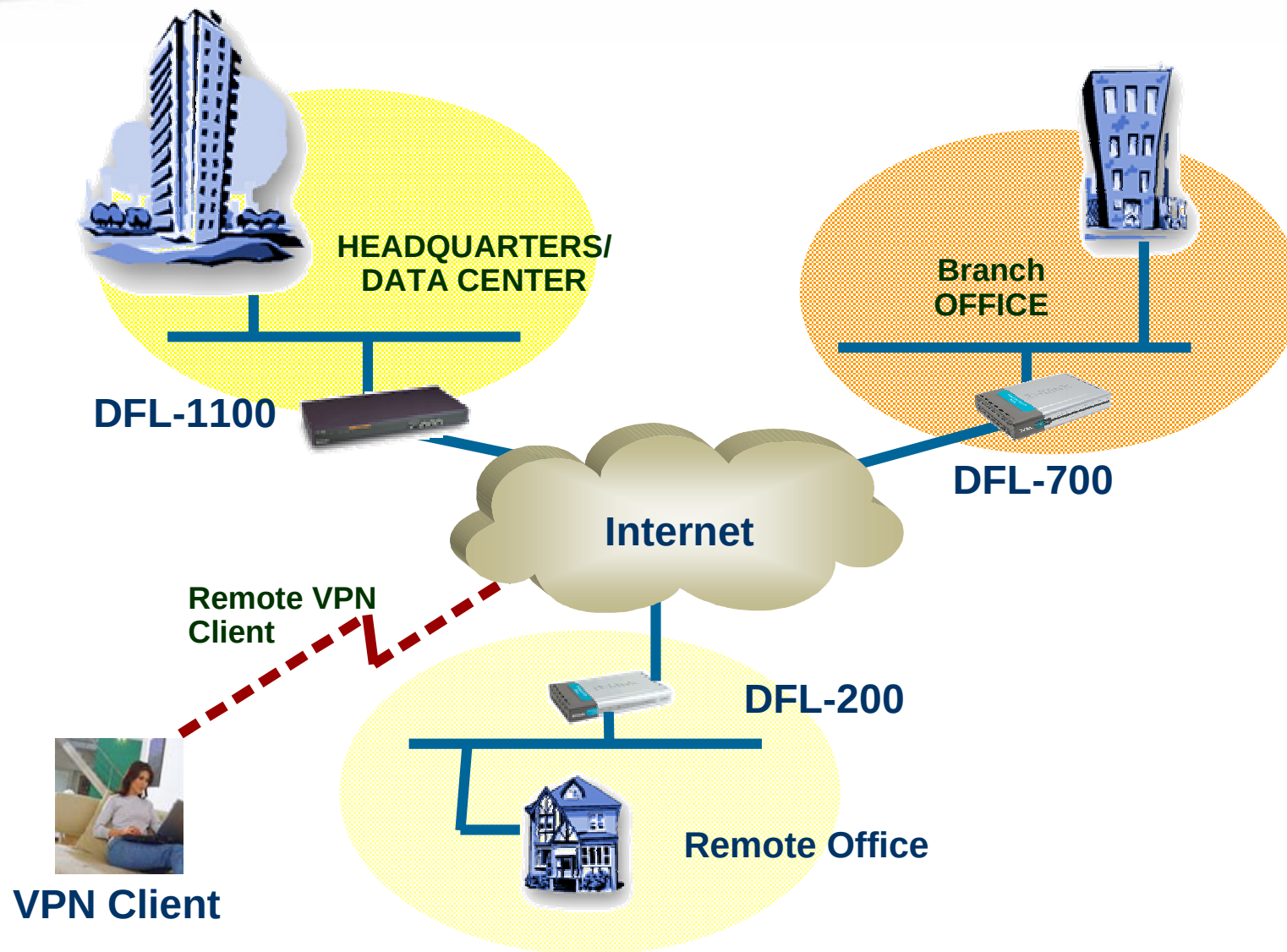


DS-601/605



- ◆ The DFL-200/700/1100 are highly suitable:
 - ∅ as **Security Gateway** for medium enterprises, where resilience and security in combination with a low total cost of ownership are key factors.
 - ∅ as **VPN Gateway** at small to medium sized remote sites.
 - ∅ as **Customer Premise Equipment (CPE)** in managed security solution (DFL-700 Only)

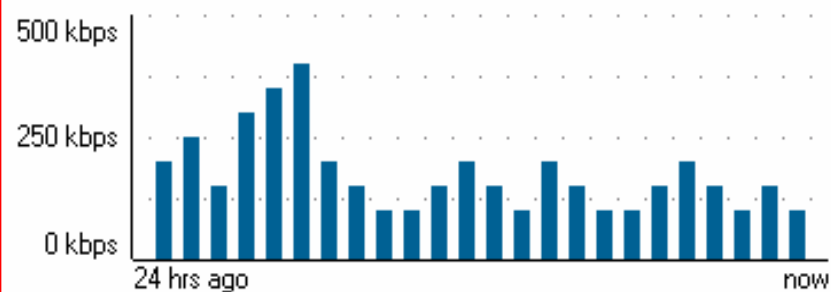




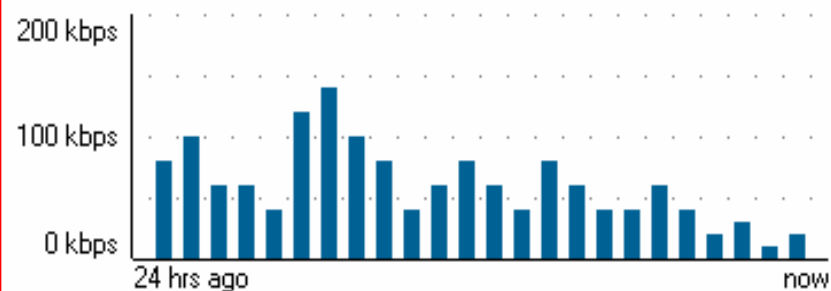
D-Link Firewall Web GUI for Easy Management



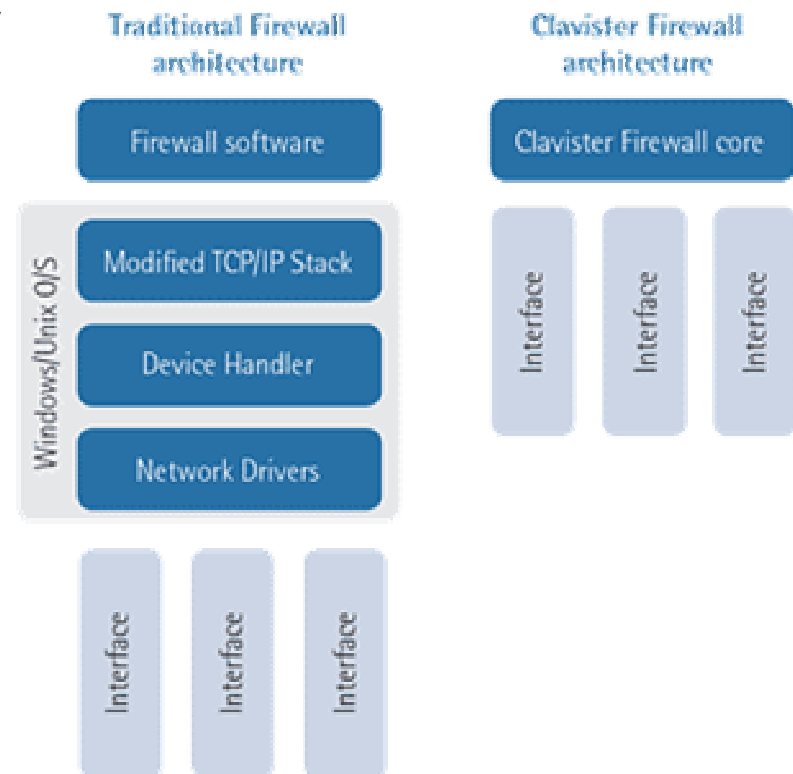
Send rate over the past 24 hours



Receive rate over the past 24 hours



- ◆ Traditional security gateways are built on top of standard operating systems, such as Linux, NetBSD or Microsoft Windows.
- ◆ Independent research shows that each 5.000 lines of source code contains at least one security related “bug”.
- ◆ Clavister (and the DFL-series) products are built on top of a proprietary firmware with a very small footprint, thus dramatically reducing the risk for security vulnerabilities.



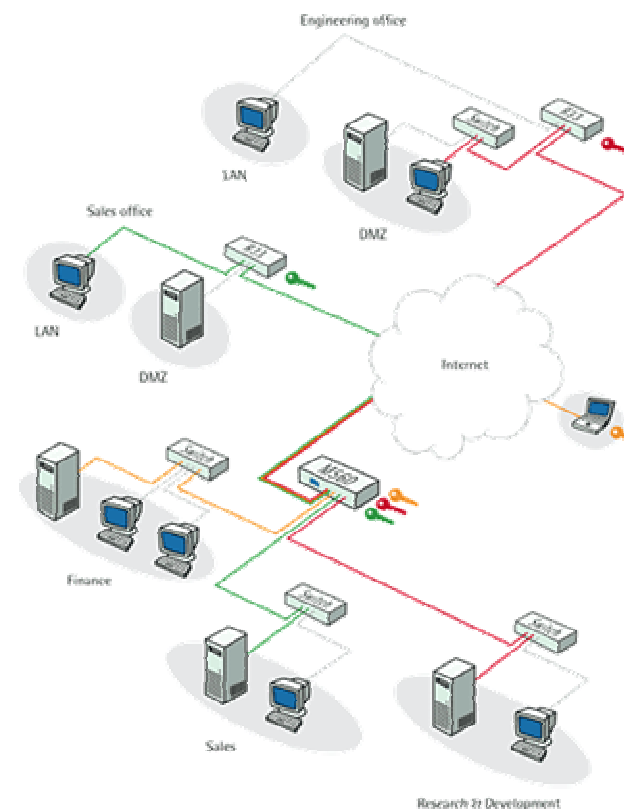
- ◆ The DFL-series of products support a wide range of VPN capabilities:

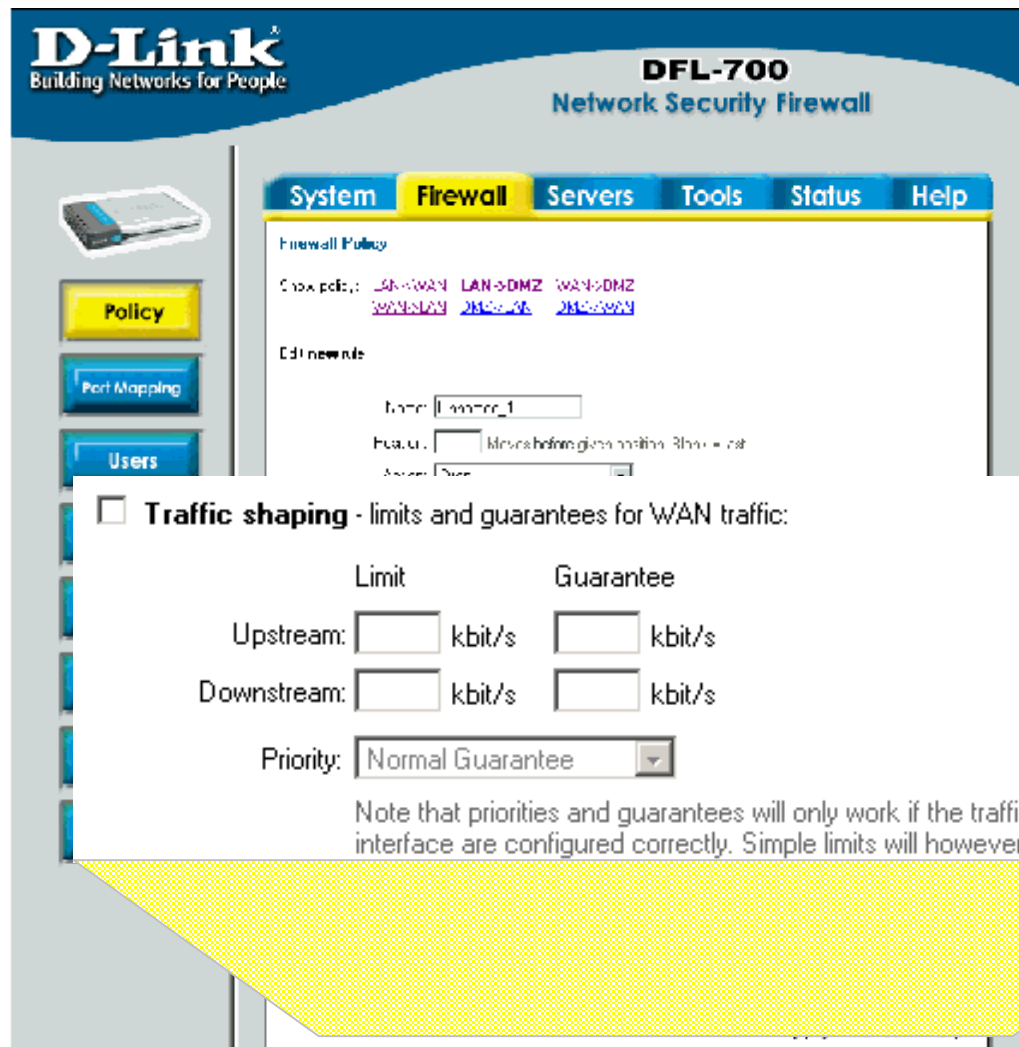
- ◆ IPsec-based VPN:

- Ø LAN-to-LAN and “Roaming Client” set-ups with up to 1.000 concurrent tunnels
- Ø Easily deployed VPNs using *Pre-shared Keys*, or
- Ø Complex PKI solutions with X.509 certificates
- Ø Several encryption algorithms, including AES, 3DES and DES, ensures compatibility with almost all other IPsec compliant equipment on the market

- ◆ PPTP and L2TP VPN:

- Ø For simple deployment using Microsoft Windows workstations





- **Limit**

– **Limit** works by limiting the inbound and outbound traffic to the specified speed. This is the maximum bandwidth that can be used by traffic using this policy.

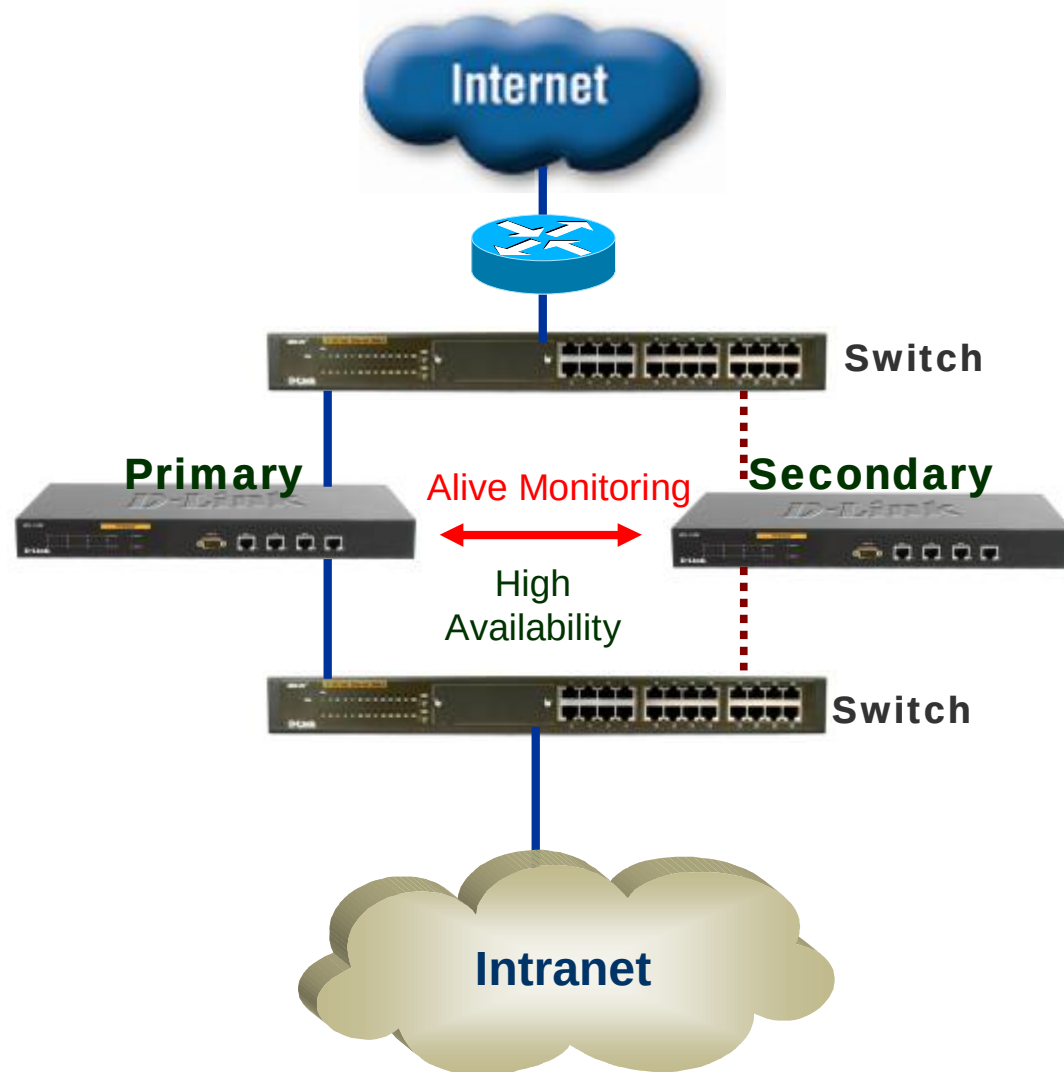
- **Guarantee**

– By using **Guarantee**, you can traffic using a policy a minimum bandwidth, this will only work if the traffic limits for the WAN interface are configured correctly.

- **Priority**

– Defines if the traffic should be considered **Normal**, **High** or **Critical**.

Firewall Redundancy Solution – DFL-1100



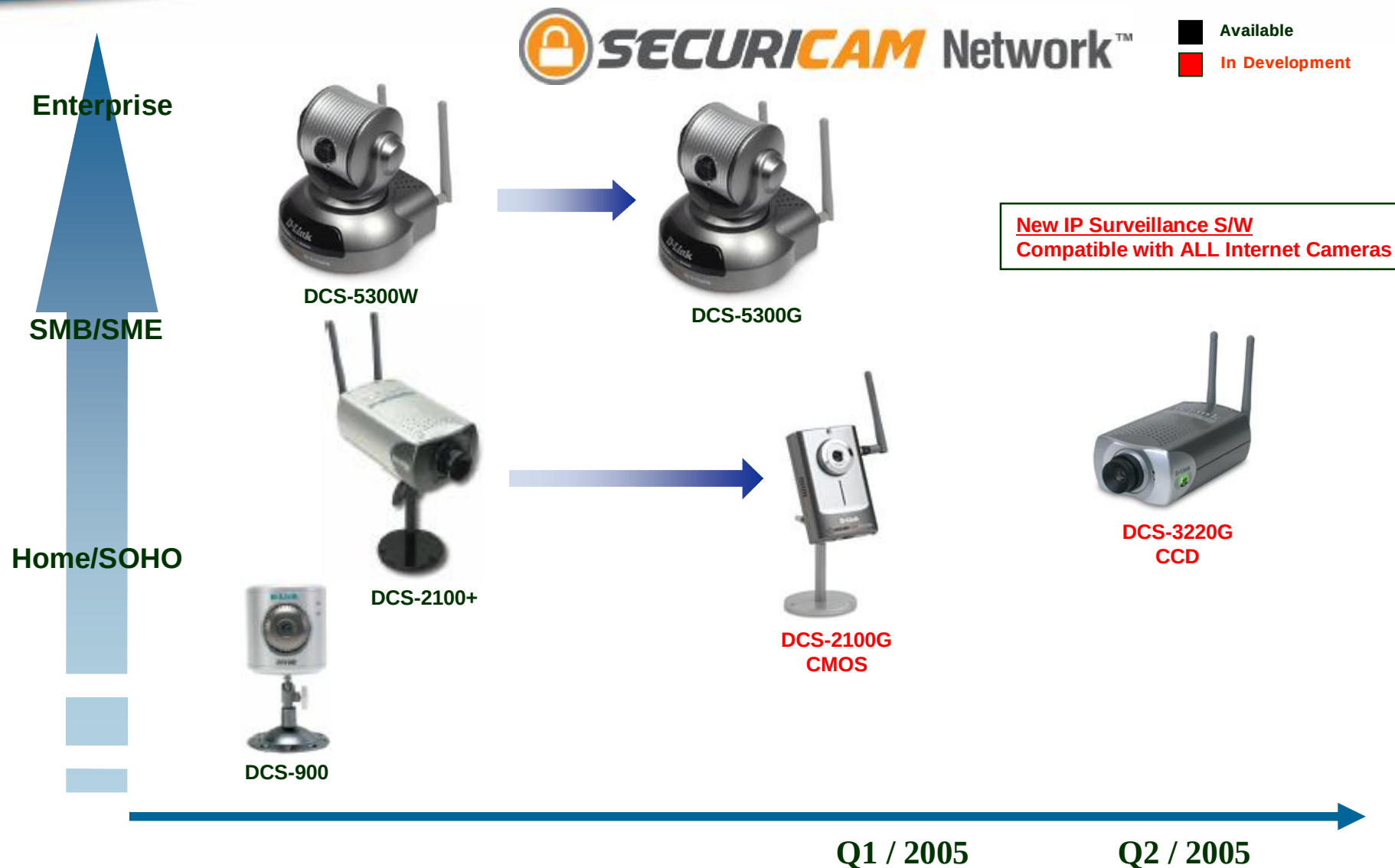
- ◆ Integrated Intrusion Detection *and* Intrusion Prevention provides protection against application layer attacks
- ◆ Signature database with over 1.000 known attacks
- ◆ IDS/IDP can be enabled or disabled *per single policy*
- ◆ Content Filtering functionality supports black-listing or white-listing of websites
- ◆ Java Applets, Javascript, VBScript and ActiveX components can be blocked

Product Comparison

	D-Link DFL-200	D-Link DFL-700	D-Link DFL-1100
Throughput	70Mbps	50 Mbps	250 Mbps
VPN Throughput	10Mbps	20 Mbps	~70 Mbps
IDS/IDP	IDS only	Yes	Yes
Content Filtering	Partial	Yes	Yes
Connections	3.000	10.000	200.000
VPN Tunnels	50	200	1.000
Policies	200	1.000	2.000
Number of users	Unlimited	Unlimited	Unlimited
User Authentication, Max Users	100	500	1.500
Ethernet Interfaces	2 x 10/100 + 4 port switch (WAN, DMZ, LAN)	3 x 10/100 (WAN, LAN, DMZ)	4 x 10/100 (WAN, LAN, DMZ, AUX/Sync)
Virtual LANs	N/A	N/A	16
Traffic Shaping	No	Yes	Yes
High Availability	No	No	Yes
Policy-based Routing	No	No	Yes

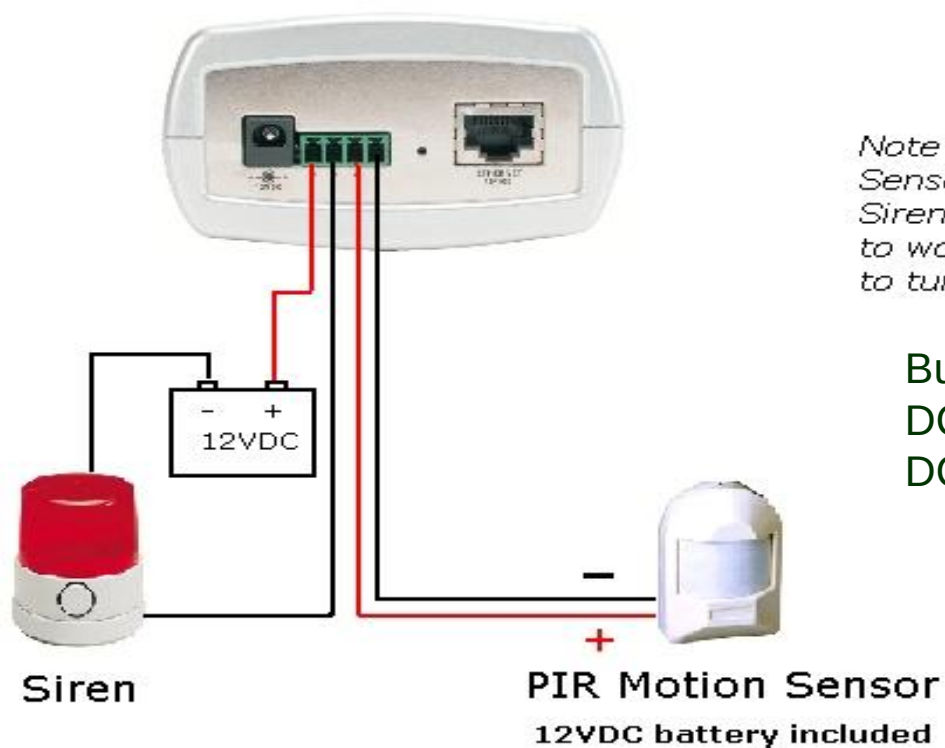
IP kamery, digitální domácnost

Internet Cameras Roadmap



DIY Surveillance

DI/DO Connection Diagram



Note

*Sensor needs attention of polarity.
Siren should be supplied by external power
to work properly and DO acts like switch
to turn either ON or OFF.*

Built-in DCS-2000/2100+,
DCS-3220/3220G,
DCS-5300/5300W/5300G



Key Features of DCS-900 / 900W

- § 10/100 Mbps Fast Ethernet Connection
- § Wireless connection with IEEE 802.11b 11Mbps (DCS-900W only)
- § Supports DDNS
- § 1/3" color CMOS Sensor, interlace scan mode
- § Low-light Capability of 2.5 Lux @ f1.4
- § Video Compression
 - § MPEG-2 (Motion JPEG)
- § IPView Lite Software for Multi-Camera Monitoring (4 cameras) and Management
- § Up to 8 Users Simultaneous Web Access
- § Web-Based Remote Access
- § Integrated Web Server
- § View Live Streaming Video From Anywhere
- § Up To 30 Frames-Per-Second
- § Record Streaming Video To Hard Drive
- § Motion detection triggered and schedule recording to specific PC and NAS device.



Key Features of DCS-2100 / 2100G

- § 10/100Mbps Fast Ethernet
- § IEEE 802.11g 2.4GHz 54Mbps wireless connectivity (DCS-2100G only)
 - § WEP (64 & 128 bit)
- § Supports DDNS and UPnP
- § 1/4" color CMOS Sensor
- § Low-light Capability of 2.5 Lux @ f1.4
- § 4x Digital Zoom
- § Video Compression
 - § MPEG-4 short header mode compression for streaming video
- § IP Surveillance Software for Multi-Camera
 - § 16 Cameras Monitoring and Management
- § Web-Based Remote Access
- § Up To 30 Frames-Per-Second
- § Record Streaming Video To Hard Drive
- § Motion detection triggered and schedule recording to specific PC and NAS device.



Key Features of DCS-3220 / 3220G

- § 10/100Mbps Fast Ethernet
- § IEEE 802.11g 2.4 GHz 54Mbps wireless connectivity (DCS-3220G only)
 - § WEP (64 and 128 bit)
- § Supports DDNS and UPnP
- § 1/4" CCD Sensor with Glass Lens
- § Low-light Capability of 1.0Lux@F2.0
- § 4x Digital Zoom
- § Video Compression
 - § MPEG-4 Simple Profile Mode
- § IP Surveillance Software for Multi-Camera
 - § 16 Cameras Monitoring and Management
- § 2-Way Audio
- § Web-Based Remote Access
- § Up To 30 Frames-Per-Second
- § Record Streaming Video To Hard Drive
- § Motion detection triggered and schedule recording to specific PC and NAS



Key Features of DCS-5300 / 5300G

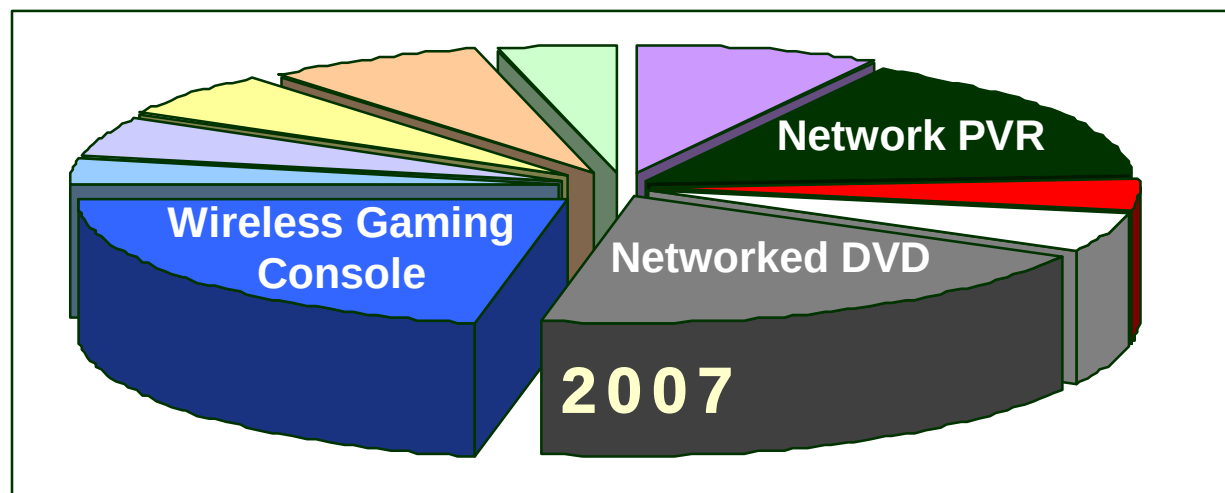
- § 10/100Mbps Fast Ethernet
- § 802.11g Wireless (DCS-5300G only)
 - § WEP (64 and 128 bit)
- § CCD Sensor with Glass Lens
- § Low-light Capability of 1.0Lux@F2.0
- § Pan, Tilt and 4X Digital Zoom
- § H.263 Video Compression
 - § MPEG-4 Short Header Mode
- § IP Surveillance Software for Multi-Camera
 - § 16 Cameras Monitoring and Management
- § Record Streaming Video To Hard Drive
- § Web-Based Remote Access
- § Up To 30 Frames-Per-Second
- § Motion detection triggered and schedule recording to specific PC and NAS device.



Home Network Entertainment Devices



*** 2.2 million networked entertainment devices in 2003**



*** 27.7 million networked entertainment devices in 2007**

- Wireless Media Adapter
- Wireless PVR
- Wireless Network Set-top Box
- Wireless Media Server
- Networked DVD
- Wireless Gaming Console
- Wireless Smart Display
- Wireless Networked Phone
- Wireless Video Camera
- Wireless Video Conference Center
- AV Network Connection



mediaLOUNGE™
Entertainment Network

Starting...

D-Link®

Real Living: The D-Link Digital Castle



Wireless Media Player DSM-320

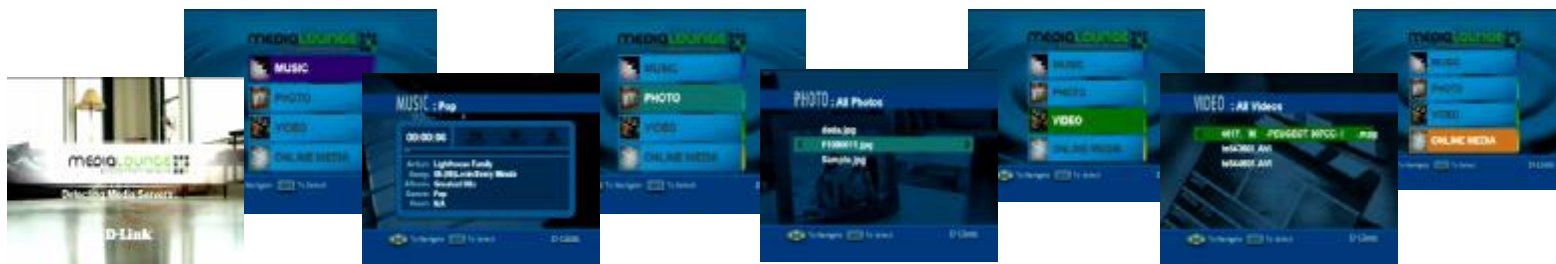


- ◆ Experience Music, Photos and Video Content From Your PC to Your Home Entertainment Center!
- ◆ Stream Content Wirelessly Using 54 Mbps 802.11g
- ◆ Attractive 17" CE Style Chassis - Just 1.5" Tall Blends in With Your Entertainment Rack
- ◆ Access to Online Media Content Such as Radio@AOL
- ◆ High Quality Audio/Video Outputs Via Component Video, Coax, and Optical Audio Connectors
- ◆ Meets the Digital Home Industry Standards for Maximum Compatibility
- ◆ User Friendly GUI for Optimal User Experience



Key Features of DSM-320

- ◆ Support 802.11g for up to 54Mbps wireless transmission
- ◆ UPnP-AV 1.0 Standard and Intel® NMPR fully compliant
- ◆ Support DHCP/Static IP for existing network requirement
- ◆ Supported major Video/Audio/Photo/Playlist formats for home media entertainment requirement.
- ◆ Built-in standard video and audio output jacks for plug-n-play
- ◆ User-friendly GUI and remote control for users ease to use
- ◆ Suitable 17" CE style chassis design nicely fit into any AV rack.



End