Power up Your Small Network to Gigabit Speeds
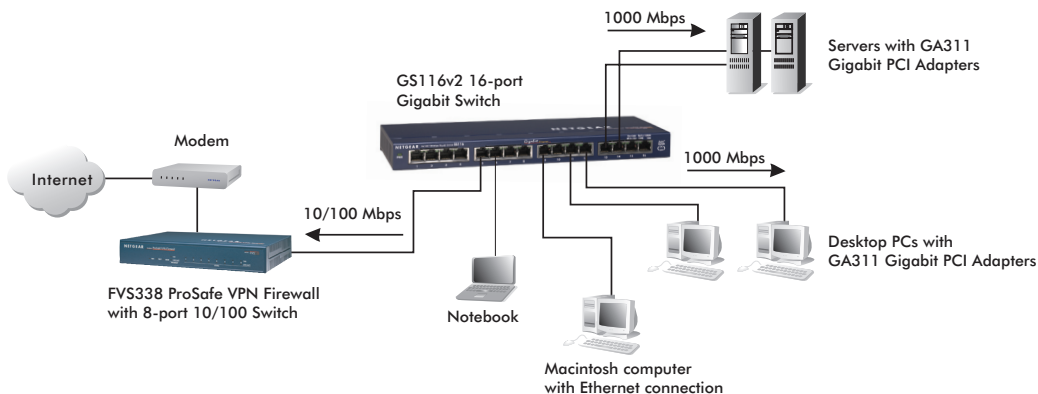
• Delivers Gigabit speeds—up to 10x faster than Fast Ethernet
• Integrates 10/100/1000 Mbps devices on the same network
• Fits neatly into small workspaces–compact, metal case
• Runs silently without a fan
• Auto green mode detects cable length and adjusts power usage to save energy

Features

• Each port delivers up to 2000 Mbps of network speed (full duplex)
• Fast, auto-switching and auto-sensing 10/100/1000 Mbps Ethernet connection
• 16 switched ports provide bandwidth for PCs, servers or switches
• Auto Uplink™ automatically adjusts for straight-through or crossover cables
• Supports jumbo frames up to 16 KB
• Honors TOS/802.1p prioritization

NETGEAR
Green

• Up to 43% lower power consumption **
• Auto power-down mode saves energy when port is unused
• Auto green mode detects cable length and adjusts power usage to save energy
• Packaging manufactured with at least 80% recycled materials

1000 Mbps

Servers with GA311
Gigabit PCI Adapters

GS116v2 16-port
Gigabit Switch

Modem

1000 Mbps

Internet

10/100 Mbps

Desktop PCs with
GA311 Gigabit PCI Adapters

FVS338 ProSafe VPN Firewall
with 8-port 10/100 Switch

Notebook

Macintosh computer
with Ethernet connection

24/7
TECHNICAL
SUPPORT*

1-888-NETGEAR (638-4327)
Email: info@NETGEAR.com

NETGEAR®
PROSAFE®
LIFETIME
WARRANTY*

Technical Specifications

• Network Ports
- 16 auto-sensing 10/100/1000 Mbps Ethernet ports

• Forwarding Mode
- Store-and-forward

• Performance
- Bandwidth: 32 Gbps (non-blocking)
- Forward rate (10 Mbps port): 14,800 packets/sec
- Forward rate (100 Mbps port): 148,000 packets/sec
- Forward rate (1000 Mbps port): 1,488,000 packets/sec
- Latency (100 to 100 Mbps): 40 μ (max)
- Latency (1000 to 1000 Mbps): 10 μ (max)
- Queue buffer memory: 512 Kbytes per port
- MAC address database: 8,000
- Acoustic noise: 0 dB
- Heat dissipation: 38.8 Btu/hr
- Mean time between failures (MTBF): 393,000 hours (~45 years)

• Power Consumption
- 12V DC, 1.5A, 18W; plug is localized to country of sale

• Status LEDs
- Power, link, speed and activity

• Physical Specifications
- Dimensions: (w x d x h) 285 x 103 x 27 mm (11.22 x 4.06 x 1.06 in)
- Weight: 1.08 kg (2.38 lb)

• Environmental Specifications
- Operating temperature: 0° to 50° C (32° to 122° F)
- Operating humidity: 90% maximum relative humidity, non-condensing

• Safety Agency Approvals
- CE mark, commercial
- UL listed (UL 1950)
- C-Tick

• Electromagnetic Compliance
- CE Class A
- FCC Part 15 Class A
- EN 55022 (CISPR 22)
- EN 55024
- VCCI Class A
- C-Tick Class A

• Standards Compliance
- IEEE 802.3i 10BASE-T Ethernet
- IEEE 802.3u 100BASE-TX Fast Ethernet
- IEEE 802.3ab 1000BASE-T
- Honors 802.1p priority tags
- Honors DSCP priority tags
- Jumbo frame support: up to 16 KB

System Requirements
- Category 5e cables or better
- Network card for each PC or server (e.g. NETGEAR GA311)
- Network software (e.g., Microsoft® Windows®, Linux®, Mac® OS)

Warranty
- Switch: NETGEAR Lifetime Warranty†
- Power adapter: NETGEAR 2-year Warranty

ProSupport Service Packs Available

• OnCall 24x7
- PMB0331-100 (US)
- PMB0331 (non-US)

• XPressHW
- PRR0331

Package Contents
- ProSafe 16-port Gigabit Desktop Switch (GS116v2)
- Wall-mount kit
- AC adapter
- Installation guide
- Warranty/support information card

NETGEAR Related Products

• Accessories
- Gigabit Ethernet PCI Adapter (GA311)
- Gigabit PC Card Adapter (GA511)

• Switches
- ProSafe 5-port Gigabit Desktop Switch (GS105)
- ProSafe 8-port Gigabit Desktop Switch (GS108)

Ordering Information
- North America: GS116NA
- Europe - General: GS116GE
- Europe - UK: GS116UK
- Asia: GS116AU
- Japan: GS116JP

CE   N10947

NETGEAR®

D-GS116v2-4