D-Link®

DP-G321

3-Port Wireless Print Server

With 2 USB Ports, 1 Parallel Port & 802.11g WLAN

The DP-G321 multi-port wireless print server provides 2 high-speed USB 2.0 printer ports for connection to 2 USB-supported printers, and 1 parallel printer port for connection to a parallel printer. Equipped with a 10/100BASE-TX Ethernet and high-speed 802.11g wireless LAN interface, this device lets you conveniently share your printer with a group of users, with or without the network wires. Supporting multiple network operating systems, this print server brings a high level of flexibility and performance to your printing needs.

Multiple Ports Save Cost

With 3 printer ports available from a single device, you don't need to purchase and install a separate print server for each printer. This multi-port print server is only slightly more expensive than a single-port print server. Where your printers are closely placed together, it makes sense to buy 1 single print server instead of 3.

Simultaneous Printing on All Printers

Equipped with a powerful CPU, large memory and high-speed printer ports, this print server makes printing of your network files fast. All printers attached to this device can print their print jobs at the same time, giving your multi-port print server a similar performance as 3 separate single-port print servers.

Ethernet and Wireless Interfaces

Two LAN interfaces are provided on this print server: (1) a 10/100BASE-TX Ethernet port and (2) a high-speed 802.11g wireless LAN interface supporting up to 54Mbps network data transfer. This built-in flexibility allows both Ethernet users and wireless users to print files through the print server.

Wireless Network Security

The DP-G321 provides the necessary security for wireless users, using the user-selectable 64/128-bit industry-standard WEP (Wired Equivalent Privacy) encryption protocol. Data privacy mechanism is based on a shared key algorithm, as described in the wireless LAN standard.

Remote Printing Support

The DP-G321 supports IPP (Internet Printing Protocol), so you can set an IP address in the print server for remote users to output print files to the printers from remote places.

Setup & Access Control

Setting up the print server can be done from any workstation running a web browser. In addition, Windows-based menu-driven program allows you to do administration jobs and set access control. Access to your network printer can be control by setting up a list of MAC addresses of user computers allow to print files. SNMP and latest MIB-II MIBs are built into the print server, allowing you to manage this device on an SNMP standard-based network.

Key Features

- 2 high-speed USB 2.0 printer ports, 1 parallel printer port
- Built-in high-speed 802.11g wireless interface
- 10/100BASE-TX Ethernet port
- Prints files from Windows, Unix, NetWare, Macintosh
- Remote printing support

- User access & print job control
- Easy web-based administration
- Windows-based program for easy setup/management of print jobs
- SNMP and MIB-II (RFC 1213) support for platform-independent management

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Technical Specifications

Printer Ports
- 2 high-speed USB 2.0 port
- 1 parallel DB-36 male Centronics port
- Bi-directional communication support

LAN Interfaces
- 802.11g wireless LAN
- 10/100BASE-TX port

Network Protocol Support
- TCP/IP
- NetBEUI
- AppleTalk
- LPR
- SMB (over IP)
- IPX
- IPP (Internet Printing Protocol)

Management and Diagnostics
- Standard: SNMP
- MIBs: MIB-II (RFC 1213)
- Mac OS RendezVous
- Windows-based GUI & web-based administration
- Configuration reset button

IP Assignment
- Manual
- Automatic through DHCP, BOOTP or RARP server

Diagnostic LED Indicators
- Power
- Ethernet (Link/Act)
- WLAN
- USB
- LPT

Built-in Wireless LAN

Wireless LAN Standards
- 802.11g
- 802.11b

Data Rates
- 802.11g: up to 54Mbps (6/9/12/18/24/36/48/54Mbps)
- 802.11b: up to 11Mbps (1/2/5.5/11Mbps)

Transmission Technology
DSSS

RF Frequency Range
2.4 to 2.4835GHz

Operating Channels
- 1 to 11 channels (FCC)
- 1 to 13 channels (ETSI)

Data Modulation Type
DBPSK, DQPSK, CCK, OFDM

Antenna
2dBi Gain external dipole detachable (reserve SMA connector) antenna

Transmit Output Power
16dBm (typical)

Receive Sensitivity (for 802.11b)
(typically @PER < 8% packet size 1024 @ 25 C +/- 5 C)
- 11Mbps (CCK): -82 dBm
- 5.5Mbps (CCK): -86 dBm
- 2Mbps (QPSK): -90 dBm
- 1Mbps (BPSK): -90 dBm

Receive Sensitivity (for 802.11g)
(typically @PER < 8% packet size 1024 @ 25 C +/- 5 C)
- 54Mbps (OFDM): -66 dBm
- 48Mbps (OFDM): -64 dBm
- 36Mbps (OFDM): -70 dBm
- 24Mbps (OFDM): -72 dBm
- 18Mbps (OFDM): -80 dBm
- 12Mbps (OFDM): -84 dBm
- 9Mbps (OFDM): -86 dBm
- 6Mbps (OFDM): -88 dBm

Operating Range *
- Indoors: 100 meters
- Outdoors: 400 meters

* Environmental factors may adversely affect range.

Security
WEP 64/128-bit data encryption (user-selectable)

O.S. Support
- Windows 98, ME, 2000, XP
- MacOS EtherTalk
- Unix
- NetWare 5.0 or above (Native NDS)
- lpd

Environmental & Physical

Input Power
- 5V DC 2.5A
- Through external power adapter

Dimensions
142 mm (W) x 109 mm (D) x 31 mm (H) (device only)

Weight
325 grams

Operating Temperature
0° to 50 $^\circ$C

Storage Temperature
-25° to 55 $^\circ$C

Humidity
5% to 95% non-condensing

Emissions
- FCC Class B
- CE Class B
- C-Tick

Box Includes
- DP-G321 print server
- CD-ROM with Manual and Print Server Administration program
- Quick Installation Guide
- External power adapter

ACN 052 202 838

Ordering Information

802.11g Wireless Multi-Port Print Server
DP-G321   With 2 USB 2.0 printer ports, 1 parallel printer port, 10/100BASE-TX port

Please specify your order as follows:

DP-G321/ANA	US standard power adapter, North America frequency
DP-G321/BEU	UK standard power adapter, EU frequency
DP-G321/EEU	EU standard power adapter, EU frequency
DP-G321/NEU	Australia standard power adapter, EU frequency
DP-G3210/CN	China standard power adapter, China frequency
DP-G3210/ENA	EU standard power adapter, North America frequency

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