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

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

FC CE (!) C 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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U.S.A	TEL: 1-714-885-6000	FAX: 1-866-743-4905
Canada	TEL: 1-905-8295033	FAX: 1-905-8295223
Europe	TEL: 44-20-8731-5555	FAX: 44-20-8731-5511
Germany	TEL: 49-6196-77990	FAX: 49-6196-7799300
France	TEL: 33-1-30238688	FAX: 33-1-30238689
Netherlands	TEL: 31-10-282-1445	FAX: 31-10-282-1331
Belgium	TEL: 32(0)2-517-7111	FAX: 32(0)2-517-6500
Italy	TEL: 39-2-2900-0676	FAX: 39-2-2900-1723
Iberia	TEL: 34-93-4090770	FAX: 34-93-4910795
Sweden	TEL: 46-(0)8564-61900	FAX: 46-(0)8564-61901
Norway	TEL: 47-22-309075	FAX: 47-22-309085
Denmark	TEL: 45-43-969040	FAX: 45-43-424347
Finland	TEL: 358-9-2707-5080	FAX: 358-9-2707-5081
Singapore	TEL: 65-6774-6233	FAX: 65-6774-6322
Australia	TEL: 61-2-8899-1800	FAX: 61-2-8899-1868
Japan	TEL: 81-3-5434-9678	FAX: 81-3-5434-9868
China	TEL: 86-10-8518-2533	FAX: 86-10-8518-2250
India	TEL: 91-022-652-6696	FAX: 91-022-652-8914
Middle East (Dubai)	TEL: 9714-8834234	FAX: 9714-8834394
Turkey	TEL: 90-212-335-2553	FAX: 90-212-335-2500
Egypt	TEL: 202-414-4295	FAX: 202-415-6704
Israel	TEL: 972-9-9715700	FAX: 972-9-9715601
Latinamerica	TEL: 56-2-232-3185	FAX: 56-2-232-0923
Brasil	TEL: 55-11-55039320	FAX: 55-11-55039321
South Africa	TEL: 27(0)1266-52165	FAX: 27(0)1266-52186
Russia	TEL: 7-095-744-0099	FAX: 7-095-744-0099#350
Taiwan	TEL: 886-2-2910-2626	FAX: 886-2-2910-1515
D-Link Corp.	TEL: 886-2-2916-1600	FAX: 886-2-2914-6299

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