Wireless G Print Server

For Parallel Printer

- **Compact Size, Direct Connection to Printer's Back End**
- **Integrated 802.11g Wireless Interface**
- **Prints Files Wirelessly From Windows, Unix, Linux, NetWare, Mac OS**
- **Ethernet Connection to Wired Network**

FEATURES

- **Direct Connection to Printer, No Printer Cable Required**
- **Parallel Printer Port Supports Bi-Directional Communication**
- **Built-in 802.11g Wireless LAN Up to 54Mbps Speed**
- **10/100BASE-TX Ethernet Port**
- **Operates in Windows, Unix, NetWare, Mac OS Environments**
- **Windows-Based Administration Program for Setup/Management of Print Jobs**
- **Built-in MIBs for SNMP Management**
- **Web-Based Configuration**
- **Compact Sized, Lightweight**

The DP-G301 single-port wireless G print server provides a parallel printer port for connection to a parallel printer. Equipped with a 10/100BASE-TX Ethernet and 802.11g wireless LAN interface, this device lets you conveniently share your printer with a group of home or office 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.

Flexible Installation. The DP-G301 wireless G print server is ideal for both the large office and the small workgroup. For homes and SOHO with just one printer to share, this print server offers a single port and saves you the cost. For the large office with many computer users and several printers scattered at different places, you can plug one print server to each of these printers to share them on the network.

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. The wireless LAN interface allows you to put your printer anywhere in the room without cable restrictions, while users can send files wirelessly to the printer for printing.

Wireless Network Security. The DP-G301 wireless G print server 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.

Multiple Network OS Support. The DP-G301 supports many network OS, including Windows, Apple MacOS, Linux, Solaris, SCO Unix and NetWare 5.x native NDS. This gives you the flexibility to install the print server, regardless of your network environment.

Easy Setup. Setting up the print server is easy with a Windows-based menu-driven program, which guides you through all the necessary steps to set up and configure your network printer. SNMP and latest MIB-II MIBs are built into the print server, allowing you to manage this device on any SNMP standard-based network.

DP-G301

Product Specifications

Printer Port
DB 36-pin male centronic port, supporting bi-directional communication

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

Network Protocols
TCP/IP, NetBEUI, AppleTalk, LPR, SMB over IP, IPP (Internet Printing Protocol)

Data Buffer Size
8MB SDRAM

O.S. Support
- Microsoft Windows 95, 98, ME, NT, 2000, XP, 2003
- Mac O.S. 7.6 and above AppleTalk
- NetWare 5.x NDPS LPR Remote Printing (TCP/IP)
- HP-UX Unix
- Sun O.S Solaris
- SCO Unix
- AIX
- Unix, Linux

Management
- Web-based configuration
- Windows-based administration program
- SNMP v.2c with built-in MIB-II (RFC 1213)
- DHCP client support

Firmware Upgrade
Through web browser, FTP or administration program

Diagnostic LED Indicators
- Power
- Link/Activity
- LTP

Built-in Wireless LAN

Wireless LAN Standards
- 802.11g
- 802.11b

Data Rates
(With auto rate fallback)
- 802.11g: 6/9/12/18/24/36/48/54Mbps
- 802.11b: 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 antenna

Transmit Output Power
15dBm +/- 2dB

Receive Sensitivity (for 802.11b)
- 54 Mbps OFDM, 10% PER, -68 dBm
- 48 Mbps OFDM, 10% PER, -68 dBm
- 36 Mbps OFDM, 10% PER, -75 dBm
- 24 Mbps OFDM, 10% PER, -79 dBm
- 18 Mbps OFDM, 10% PER, -82 dBm
- 12 Mbps OFDM, 10% PER, -84 dBm
- 11 Mbps CCK, 8% PER, -82 dBm
- 9 Mbps OFDM, 10% PER, -87 dBm
- 6 Mbps OFDM, 10% PER, -88 dBm
- 5.5 Mbps CCK, 8% PER, -85 dBm
- 2 Mbps QPSK, 8% PER, -86 dBm
- 1 Mbps BPSK, 8% PER, -89 dBm

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

* Environmental factors may adversely affect range

Security
WPA, 64/128-bit WEP data encryption with TKIP, MIC, IV Expansion, Shared Key

Basic Settings
- Communication mode
- SSID
- Wireless LAN channel number (default channel 6)
- Site survey

Advanced Settings
Authentication methods, Beacon interval, Preamble

Physical & Environmental

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

Dimensions
85.6 mm (W) x 52.6 mm (D) x 25.9 mm (H)

Weight
146 grams

Operating Temperature
0° to 50 °C

Storage Temperature
-25° to 60 °C

Humidity
5% to 95% non-condensing

Emissions
- FCC Class B
- CE
- C-Tick

Safety
- UL
- CSA
- LVD (EN60950)

ACN 052 202 838

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Rev. 01 (Sep. 2005)

DP-G301