D-Link®

DP-311U

Print Server with USB port and 802.11b wireless LAN

Single-Port Wireless USB Print Server

The DP-311U print server provides a single USB 1.1 port for connection to a USB-supported printer, plus an 802.11b wireless LAN interface. This device lets you easily share your USB printer with a group of wired and wireless users at home or in the office over a 10Mbps Ethernet or 100Mbps Fast Ethernet network. Supporting multiple network operating systems, this device brings a high level of flexibility and performance to your printing needs, with or without the network wires.

Flexible Installation

The DP-311U 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 10/100Mbps Fast Ethernet port and (2) an 802.11b wireless LAN interface. This flexibly allows both Ethernet users and wireless users to print files through the DP-311U print server.

Wireless Network Security

The DP-311U 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.

10/100Mbps LAN Port With Auto MDI/MDIX

Connection to the wired network is through a 10/100Mbps Fast Ethernet port, which automatically detects the speed of your network and auto-negotiates to use the highest speed available. This ports supports auto MDI/MDIX, eliminating for you the need to use a cross over cable. The DP-311U can easily plug to a hub or a switch, using any twisted-pair cable.

Multiple Network OS Support

The DP-311U supports as many network OS, including Windows 95, 98, ME, NT 4.0, XP, Apple MacOS with AppleTalk, 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

Setup 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 also built into the print server, allowing you to manage this device on any SNMP standard-based network.

Features

- USB 1.1 port connects to printer
- Built-in 802.11b wireless LAN with dipole antenna
- Auto-sensing 10/100Mbps Fast Ethernet port with auto MDI/MDIX easily connects to network
- Prints files from Windows, Unix, NetWare, Macintosh
- Windows-based program for easy setup/management of print jobs

- Large flash memory with easy software upgrade
- SNMP and MIB-II (RFC 1213) support for platform-independent management
- Easy web-based administration
- Compact, lightweight

DP-311U

Technical Specifications

Printer Port
USB 1.1 port

LAN Interfaces
- 802.11b wireless LAN
- RJ-45 10/100Mbps auto-sensing 10BASE-T/100BASE-TX port
  supporting auto MDI/MDIX

Network Protocols
- Transport Protocols: TCP/IP, NetBEUI, AppleTalk/EtherTalk
- TCP/IP Protocols: BOOTP, SNMP, Telnet, TFTP, FTP, LPD, RARP, DHCP

Management and Diagnostics
- Standard: SNMP
- MIBs: MIB-II (RFC 1213)

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

Configuration Reset
Reset button

Memory
- Flash: 512 KB
- SDRAM: 2 MB

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

Data Rates
- 11 Mbps
- 5.5 Mbps
- 2 Mbps
- 1 Mbps
- Auto fall-back

Data Rate & Modulation
- 11Mbps: CCK
- 5.5Mbps: CCK
- 2Mbps: DQPSK
- 1Mbps: DBPSK

Frequency Range
2.4 - 2.4835 GHz

Modulation Technique
Direct Sequence Spread Spectrum (DSSS)

Operating Channels
- North America (FCC): 11
- Canada (DOC): 11
- Europe (ETSI): 13
- Japan (MKK): 14

Receiver Sensitivity
(Data Rate/Sensitivity/Modulation)
- 11Mbps/-80dBm max./CCK
- 5.5Mbps/-82dBm max./CCK
- 2Mbps/-83dBm max./DQPSK
- 1Mbps/-85dBm max./DBPSK

Transmitter Output Power
15dBm +/- 2dBm

Antenna
2dBi Gain dipole antenna

Operation Range
- Indoors: up to 100 meters (328 feet)*
- Outdoors: up to 400 meters (1,312 feet)*

Environmental factors may adversely affect range

Data Encryption
64-bit and 128-bit WEP (Wired Equivalent Privacy) encryption

Key Management
Automatic Dynamic Key Allocation (ADKA) through public key

O.S. Support
- Windows 3.11, NT, 95, 98, ME, 2000, XP
- Mac OS EtherTalk
- HP-UX Unix
- Sun OS
- Solaris
- SCO Unix
- UnixWare
- NetWare 5.x NDPS LPS remote printing
- lpd

Environmental & Physical

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

Dimensions
90 mm (W) x 82 mm (D) x 39 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 Class B
- C-Tick

Safety
LVD (EN60950)

Box Includes
- DP-311U print server
- CD-ROM with Manual and Print Server Administration program
- Quick Installation Guide
- External power adapter

ACN 052 202 838

Ordering Information

802.11b Wireless Single-Port USB Print Server
DP-311U   USB 1.1 printer port, RJ-45 10BASE-T/100BASE-TX port

Please specify your order as follows:

DP-311U/ANA	US standard power adapter, North America frequency
DP-311U/BEU	UK standard power adapter, EU frequency
DP-311U/EEU	EU standard power adapter, EU frequency
DP-311U/NEU	Australia standard power adapter, EU frequency
DP-311U/CN	China standard power adapter, China frequency
DP-311U/ENA	EU standard power adapter, North America frequency

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RECYCLABLE
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