

TROY200 Multiport Print Servers

for Fast Ethernet and 802.11a/b/g Wireless networks



Wireless and Connectivity Solutions

The TROY200 Multiport multi-protocol print server allows you to easily share a USB 1.1 or 2.0 printer and/or a 1284-compatible bi-directional parallel printer on an Ethernet or Fast Ethernet network. The TROY200 Multiport Wireless model includes 802.11a/b/g wireless network connectivity in addition to the auto-sensing 10baseT/100baseTX connection.

High Performance

With the innovative TROY200 Multiport you can take advantage of your printer's maximum speeds. It can increase user productivity by shortening print waiting times, and the high performance architecture also reduces network congestion because the print jobs move out of the printer queue and off the network quicker. The wireless version includes a dual-band (2.4/5GHz) tri-mode 802.11a/b/g wireless radio allowing you to connect at the maximum speed of your wireless network on the frequency bands with the least amount of traffic.

Secure

The TROY200 print servers include enterprise level security features including access control lists, complete protocol and application enable/disable control, read and write configuration passwords, and SNMP community name configuration. The wireless models also add 802.1x Extensible Authentication Protocol (EAP) with Tunnelled Transport Layer Security (TTLS) or Lightweight Extensible Authentication Protocol (LEAP), Protected Extensible Authentication Protocol (PEAP), Open System or Shared Key support with Wired Equivalent Privacy (WEP) encoding, WPA (Wi-Fi Protected Access) Personal (WPA-PSK) and Enterprise modes which utilize improved encryption via the Temporal Key Integrity Protocol (TKIP), and WPA2 which adds Advanced Encryption Standard (AES).

Flexible

The TROY200 Multiport gives you the best of both worlds: low cost per port and the flexibility to place your print servers in a secure, easily managed location. Multiple ports in one unit significantly reduces costs on a per-printer basis. The TROY 200 Multiport also saves you money because it requires only one network connection and one network address to support two printers.

Easy to Use

The TROY200 is easy to use with many different options for configuration and management. The included ExtendView Windows utility includes wizards for setup, configuration and management of multiple TROY print servers at the same time. The TROY200 built-in web browser interface allows monitoring and configuration from any computer with a standard web browser.

Versatile

The TROY200 allows you to print from multiple computer and network operating systems simultaneously, including Windows, UNIX, Linux, Solaris, Netware, Macintosh, OS/2, DEC LAT and more. The USB 2.0 Hi-Speed port connects virtually any USB printer including those with USB 1.1, USB 2.0 Full Speed, and USB 2.0 High Speed connections. The IEEE1284 parallel port is compatible with virtually any parallel printer port mode including High Speed ECP with bi-directional communication. The TROY200 Wireless models let you take advantage of your existing wireless infrastructure giving you flexible printer deployment where running cables is impractical or too expensive, or where the printer must be frequently moved. The TROY200 Wireless dual band tri-mode radio gives you the ability to access your printer via 802.11a, 802.11b, and 802.11g wireless networks. A printer mounting kit, a desktop mounting kit, and the USB cable are included with the TROY200 so you can put the print server wherever you want in conjunction with the printers.

Warranty

All TROY products include an industry-leading 5-year warranty and free lifetime technical support.

Performance. Security. Quality. TROY sets the standard for wireless and connectivity solutions.



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TROY200 Specifications

Electrical:

- Input power: 1A@12VDC

I/O:

- USB 2.0 high speed (compatible with USB 1.1 and 2.0 full speed and high speed)
- 1284-compatible bi-directional parallel port
- 10baseT/100baseTX Auto-Sensing Ethernet
- 802.11a/b/g Wireless LAN (with Wireless version only)

Environmental:

Temperature:

- Operating temperature: 0^o to 50^o C
- Storage temperature: -20^o to 60^o C
- Maximum temperature change per hour: 20^o C

Altitude:

- Operating: 3.1 km
- Storage: 9.1 km

Relative Humidity:

- Operating: 10% to 90% non-condensing (40 to 60% recommended)
- Storage: 10% to 90% non-condensing

802.11a/b/g Wireless (Wireless version only):

- Variable data rates up to 54 Mbps
- Frequency band: 2.4/5 GHz
- WPA and WPA2 (personal and enterprise modes)
- 802.1x EAP with TTLS/LEAP/PEAP
- Wired equivalent privacy: 128-bit, 64-bit (compatible with 40-bit), none
- Range: 100 m
- Reverse PIN SMA L-type swivel dipole dual band antenna

Network Ports:

- Supports standard Ethernet/Fast Ethernet connections: twisted-pair RJ45 (10/100Base-T)
- 802.11a/b/g Wireless LAN (with Wireless version only)

Protocols:

TCP/IP and Windows

- Supports lpr/lpd network printing protocol
- Supports raw printer port (for example, Port 9100)
- Supports NetBIOS over IP and NetBEUI
- Supports telnet and ftp
- Supports SNMP MIB I & II
- Supports IPP protocol (Internet printing)
- Supports peer-to-peer printing (direct printing) via the Microsoft DLC, TCP/IP or IPX/SPX protocols with ExtendNet Connect

EtherTalk mode

- Supports Macintosh System 6.X, 7.X, 8.X, 9.X, MacOS 10.X (including Jaguar)
- Supports EtherTalk Phase 2
- Supports Apple LaserWriter driver 8.X and above (PostScript printer required)
- Supports PostScript-compatible laser printers
- Supports most HP, Epson, and Canon inkjet printers

NetWare mode

- Simultaneously supports Novell NetWare, NDS & NDPS
- Supports NDPS via Novell's Generic Gateway or HP's Printer Gateway
- Supports packet signatures, checksums and aliasing
- Supports dedicated print server and remote printer modes
- Supports encrypted passwords
- Supports up to eight file servers and up to 32 queues
- Supports automatic file server reattachment

LAT mode

Print Server Management Tools:

Enterprise Management Tools

- Supports any PC-based SNMP application (For example, HP OpenView, IBM NetView and Sun SunNet Manager)
- Supports Private MIB

LAN Administration Tools

- ExtendView Utilities – TROY utilities which provide simple configuration and management capabilities. ExtendView also displays system, network and printer status information via SNMP traps
 - ExtendView for TCP/IP
 - ExtendView for NDS (snaps into Novell NWAdmin)
 - ExtendView for NetWare
 - ExtendView for UNIX (Linux 2.0.34, Solaris 2.6, SunOS 4.1.3, HPUX 10.20)
- NetworkAlert™ Utilities – TROY utilities which assist in managing network printers by proactively alerting you of printer problems via SNMP traps. Integrates into ExtendView for advanced diagnostic and configuration information
- XAdmin32, XAdmin – Compatibility with legacy TROY Print Server Administration utilities
- WebXAdmin – Web Browser allows print server configuration and management
- HP JetAdmin and HP Web JetAdmin – allows print server configuration and management
- Novell ManageWise

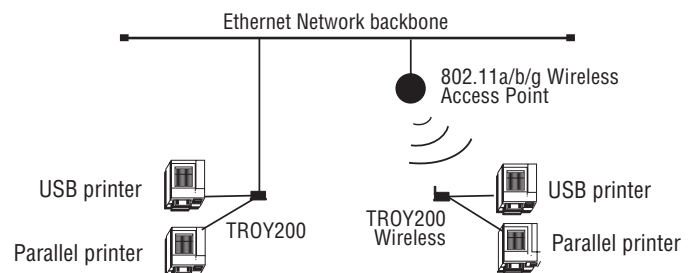
User Printing Status and Monitoring

- HP JetAdmin and Web JetAdmin for printer and print server status information
- WebXAdmin for printer and print server status information

Other Features:

- LED's to indicate power-on, link, activity
- lpd-Plus virtual printer capability (allows complex user-defined setup and reset strings configurable on a per-service basis)
- Text-to-PostScript conversion on a per-service basis
- Programmable character string conversion
- IP security (ability to restrict access to print server based on IP address)
- Configurable TCP port numbers on a per-service basis
- IP address configuration via arp, rarp, DHCP, BOOTP, TROY XAdmin & WP-Admin utility, HP JetAdmin/Web JetAdmin, NetWare, and DEC MOP
- Automatic detection of NetWare frame type or frame type can be forced
- AppleTalk "spoofing" for support of non-bidirectional PostScript printers
- AppleTalk binary printing (requires that printer supports the HP Tagged Binary Communications Protocol or can be forced into binary mode)
- On-line HELP
- Sophisticated diagnostics, including protocol trace capability and crash dump

Configuration



| Part# | Product Description |
|--------------|--|
| TROY200-0211 | Print Server USB 2.0 and parallel, US |
| TROY200-0213 | Print Server USB 2.0 and parallel, EUR |
| TROY200-1211 | Print Server 802.11a/b/g USB 2.0 and parallel, US |
| TROY200-1213 | Print Server 802.11a/b/g USB 2.0 and parallel, EUR |

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