

Axis 1620 Print Server

High-Performance, Multiprotocol
Print Server for Canon PCL Printers



Print Servers

The AXIS 1620 single port print server can be directly connected to any Canon PCL printer, allowing you to easily share your printer resources with everyone on your network.

The AXIS 1620 is the ideal print server for mixed environments as it can simultaneously support all major operating systems and network protocols including: IPP (Internet Printing Protocol), NetWare, UNIX, Windows, Windows clients connected to LANtastic networks, OS/2, Macintosh, Internet/intranet using any standard web browser. In addition the AXIS 1620 printserver now support IPP (Internet Printing Protocol).

Features and Benefits

Speed and Reliability

The AXIS 1620 print server provides high performance and reliability combined with low power consumption. The electronic circuits are based on Axis' improved ETRAX 100 chip, which comprises an integrated 32 bit RISC processor and associated network controllers. Axis' ETRAX 100 chip has been specifically designed for LAN products, resulting in a faster throughput than is possible with a direct PC-to-printer connection. High speed Centronics communication, such as ECP, High Speed and IBM Fast Byte, is supported as well.

Flexibility

The AXIS 1620 supports printing in all major computer systems and environments, including five different print methods in the TCP/IP environment. The integrated IPP (Internet Printing Protocol) function allows for printing from LAN to LAN via a WAN, such as the Internet.

Quick and Easy Installation

Using Axis' own installation tools, you can set up the AXIS 1620 in any of the supported networking environments in just a few minutes. In addition, the AXIS 1620 supports Canon NetSpot, simplifying installation and management even more.

Monitoring

The AXIS NetPilot software and the internal AXIS 1620 web pages allow you to continuously monitor printer status. The AXIS Print Monitor can be configured to display pop-up messages that show the status of peer-to-peer print jobs. Additionally, the AXIS 1620 supports SNMP for remote monitoring. And to ensure security, passwords can be assigned to restrict both login and printer access.

Future-proof

The AXIS 1620 Flash memory can be upgraded over the network free of charge. This allows you to quickly update and enhance the operational features of your AXIS 1620 when new print server software becomes available.



Print Servers

Technical Specifications

SUPPORTED SYSTEMS

Novell NetWare

Versions 3.11, 3.12, 4.10 and above, supporting both NDS and Bindery Emulation. A maximum of 16 bindery file servers and 96 print queues can be served.

NDPS supported by versions 4.11 and above.

NetWare5 and Pure IP supported.

User messages are also supported.

Print Methods: RPRINTER/NPRINTER, PSERVER.

Microsoft LAN Manager

LAN Manager 2.0c and above, running under OS/2 ver 1.3 and above.

IBM LAN Server

LAN Server 1.3 and above, running under OS/2 ver 1.3 and above including OS/2 Warp, OS/2 Warp Connect.

Microsoft Windows

Windows NT ver. 3.5 and above, Windows 2000, Windows for Workgroups, Windows 95, Windows 98.

LANtastic

LANtastic 7.0, from any of the supported Windows clients, defined above.

All Operating Systems supporting the TCP/IP suite of protocols, including:

BSD Systems

BSD 4.2, 4.3, 4.4, SunOS4 (Solaris 1.x), DEC Ultrix etc.

System V Systems

R3, R4, AT&T, Interactive, SCO, SunOS5 (Solaris 2.x), HP-UX, IBM AIX, Silicon Graphics IRIX, DEC Alpha OSF/1, BULL (BOS, AIX).

Other Systems

IBM (MVS, VM, VSE, OS/400), DEC VMS, guidelines for other systems.

PRINT METHODS

LPD, FTP, PROS (named pipe & filtered), Reverse Telnet, IPP.

Apple EtherTalk

Print Method: AppleTalk Phase 2.

WWW

Netscape Navigator 3.0 and higher and MS Internet Explorer 3.0 and higher.

SUPPORTED PROTOCOLS

NetWare

IPX, SAP, RIP, SPX, SNMP, NCP (extended with NDS), NLSIP, DIAG, TCP/IP.

Windows and OS/2

NetBIOS/NetBEUI or TCP/IP WINS.

LANtastic

NetBIOS/NetBEUI.

TCP/IP

IPP, LPD, FTP, Telnet, Reverse Telnet, PROS, BOOTP, ARP, RARP, DHCP, ICMP, IP, TCP, UDP, HTTP, SNMP, TFTP, SLIPv2, Dynamic DNS.

Apple EtherTalk

AARP, ATP, DDP, NBP, PAP, RTMP, ZIP.

NETWORK MANAGEMENT

SNMP-MIB II compliant (over UDP/IP and IPX), host resource MIB compliant (over UDP/IP and IPX), private enterprise MIB included. LAN Network Manager for OS/2. Print server status in NWAdmin/PCONSOLE.

HARDWARE

32 bit 100 MHz RISC Controller, 1 Mbyte Flash memory, 2 Mbytes DRAM.

LOGICAL CONNECTION

NWay support to provide auto-detection of the network speed. Running simultaneously any combination of the supported protocols. Use of IEEE802.2, IEEE802.3, SNAP and Ethernet II frame types simultaneously.

ATTACHMENTS

RJ-45 connector (Category 5 Unshielded Twisted Pair) for 10baseT Ethernet and 100baseTX Fast Ethernet.

SECURITY

UNIX:

Root password. User access list and printer access.

NetWare:

Encrypted passwords.

LOGICAL PRINTERS

The logical printer ports can be programmed to perform auto ASCII to PostScript conversion, string before and after job, string substitution and character set conversion.



PARALLEL PRINTER

One IEEE 1284 compliant high-speed parallel port, 36-pin Centronics connector. Sustained throughput over 1 Mbyte/s using NetWare. Bi-directional support for Apple, Reverse Telnet, PROS, ECP support.

FRONT PANEL

2 LED indicators: Power and Network. Test button for information printouts.

POWER CONSUMPTION

Power provided by external supply:

Maximum 200 mA at 12 VDC. (Type PS-B, 12V, 500 mA).

DIMENSIONS

Height x Width x Depth

0.9 x 2.4 x 4.8 inches (2.4 x 6.1 x 12.1 cm)

Weight

0.22 lb. (0.1 kg)

ENVIRONMENTAL

Temperature: 40 - 105° F (5 - 40° C).

Humidity: 10 - 95% non-condensing.

APPROVALS

EMC:

EN 55022/1994, EN50082-1/1992, FCC Class A.

Safety:

EN 60950.

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