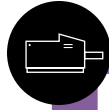


AXIS 1800 Internal Print Server

High-Performance, Multiprotocol Internal
Print Solutions for 10/100baseT Networks



Print Servers

The AXIS 1800 print server is specifically designed for manufacturers of office equipment choosing an internal networking solution. Capitalizing on its 15 years of networking expertise, Axis has designed the AXIS 1800 print server to improve printing performance and increase network flexibility. Based on Axis' revolutionary ThinServer™ Technology, the AXIS 1800 provides the features, protocol support and compatibility expected from a leading manufacturer in the print server industry.

Supports all Major Operating Systems and Industry Protocols

Optimized for performance on either 10baseT or 100baseT networks with advanced TCP/IP and extensive NetWare support, the AXIS 1800 features the ease of use and upgradeability needed to keep up with the faster, higher-quality printers of tomorrow.

No Hassle Installation with AXIS Auto-Go Software

The new AXIS Auto-Go™ software allows users to print in a Windows TCP/IP environment with a minimum of effort and offers such features as:

- Automatic device discovery, and “one-click” installation and sharing of newly installed printers.
- Easy setting of IP addresses.
- Automatic search and installation of printer drivers from the network.

Powerful Embedded Web Server Provides Easy Administration

The network administrator has a powerful ally in the new embedded Web management tool that is part of AXIS Auto-Go software. An intuitive, fast and reliable embedded Web server provides total control over the print server as well as details of the attached printers. Some of the characteristics are: extensive printer status and network statistics; a “server report” function for trouble-shooting (which automatically collects information about error conditions, attached printers and configuration settings); and a flush function to delete running print jobs.

Support for AXIS ThinWizard™ Management

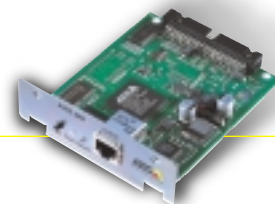
AXIS ThinWizard is a major step forward in the management of all ThinServer products. It is a customizable Web-based device management tool built using Java™ technology. AXIS ThinWizard searches a definable subnet directory on an IP network for Axis technology-based products and presents them in a group or groups via a standard Web browser. In addition, ThinWizard features many advantages over traditional device management software including realtime status updates for Axis products on the network and E-mail notification of firmware upgrades.

Ports

The AXIS 1800 supports a single parallel port but it will also be available in a version supporting AXIS FastInterface™. FastInterface is a simple and reliable bus interface, controlled by bilateral communication and dedicated to bidirectional high speed data transfers. Because of its flexibility, the interface is well-suited to internal network interface solutions for printer connectivity.



Print Servers



Technical Specifications

SUPPORTED SYSTEMS

Novell NetWare

NetWare 3.11, 3.12, 4.10, 4.11, 5 and above.
Supports bindery emulation and NDS. Up to 16 bindery file servers and 96 print queues are served
Supports user messages
NDPS supported by versions 4.11 and above
Print methods: NDPS, 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 95, 98, 2000 and for Workgroups

Additional Systems

All computers supporting the TCP/IP suite of protocols including: Linux, 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 2x), HP-UX, Silicon Graphics IRIX, DEC Alpha OSF/1, IBM AIX, 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

Apple EtherTalk

Print method: AppleTalk Phase 2

WWW

Netscape 3.0 or higher and MS Internet Explorer 3.0 or higher

LANtastic

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

SUPPORTED PROTOCOLS

Running simultaneously any combination of the supported protocols:

NetWare

IPX, SAP, RIP, SPX, and NCP (extended with NDS), NDPS, NLSP, DIAG, and LIP LAN Manager/LAN Server NetBIOS/NetBEUI

Windows and OS/2

NetBIOS/NetBEUI or TCP/IP/WINS

TCP/IP

LPD, FTP, Telnet, Reverse Telnet, PROS, BOOTP, RARP, DHCP, ICMP, IGMP, IP, TCP, UDP, HTTP, SNMP, TFTP, SLIP

LANtastic

NetBIOS/NetBEUI

Apple EtherTalk

AAAP, ATP, DDP, NBP, PAP, RTMP, ZIP

INSTALLATION

NetWare

AXIS NetPilot utility included with Wizard. LAN Manager/LAN Server

Included software: "AXIS Print Utility for OS/2"

Microsoft Windows

Included software drivers for all Windows platforms
Auto-installation of print servers and printers in Windows 95/98/NT4/2000 and TCP/IP using AXIS Auto-Go software (print system)

UNIX

Installation script resident in memory
No disks required

Apple EtherTalk

Standard installation using the Chooser

NETWORK MANAGEMENT

AXIS ThinWizard and embedded Web management
SNMP-MIB II compliant (over UDP/IP and IPX), private enterprise MIB included. Print server/job/printer status presentation and management via NWAdmin/PCONSOLE

LOGICAL CONNECTION

Ethernet

Use of IEEE802.2, IEEE802.3, SNAP and Ethernet II frame types simultaneously

Fast Ethernet

Supports NWay that provides auto-detection of network speed. Use of IEEE802.2, IEEE802.3, SNAP and Ethernet II frame types simultaneously

NETWORK ATTACHMENTS

Ethernet

RJ-45 connector (Category 5 unshielded twisted pair cable) for 10baseT Ethernet or 100base TX 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, alternative output and character set conversion

POWER CONSUMPTION

Power provided by external 5VDC supply: (3.3VDC or 12VDC optional)
Maximum 400mA at 5VDC.

DIMENSIONS

Height: front panel 29.5mm (PCB only 18mm)
Width: front panel 95 mm (PCB only 85mm)
Depth: incl front panel 104mm (PCB only 100mm)
Weight: less than 80g

ENVIRONMENTAL

Temperature: 40-105F (5-40C)
Humidity: 10-95% non-condensing

APPROVALS

- EMC:
- CE: EN 55022 Class B /1994, EN50082-1/1992,
 - FCC Class A
 - FCC Class B
 - AS/NZ3548 (C-tick)
 - VCCI (Japan)

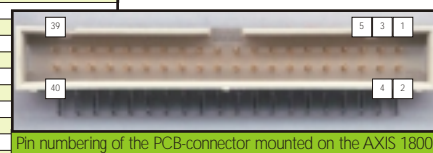
HARDWARE

32-bit 100 MHz RISC Controller, 1 MByte Flash memory, 2 MByte DRAM

FRONT PANEL

Size: 29.5mm x 95mm. Bracket thickness: 0.8mm.
2 LED indicators: Power and Network. Test button for information printouts

PIN ASSIGNMENT FOR AXIS 1800		
pin no	IEEE 1284 (standard version)	Fast interface 8/16 bit data
1	STROBE	-NIC CLK
2	D0	D0
3	D1	D1
4	D2	D2
5	D3	D3
6	D4	D4
7	D5	D5
8	D6	D6
9	D7	D7
10	-ACK	-PrintClk
11	BUSY	N.C.
12	PAPER_E	PrntBusAck
13	SELECT	N.C.
14	-AUTO_FD	NIC_Ack
15	Debug_Ser_RxD	Debug_Ser_RxD
16	N.C.	N.C.
17	DEBUG_serial_TxD	TxD
18	External Power +5V / 12V	External Power +5V / 12V
19	GND	GND
20	GND	GND
21	GND	GND
22	GND	GND/D8
23	GND	GND/D9
24	GND	GND/D10
25	GND	GND/D11
26	GND	GND/D12
27	GND	GND/D13
28	GND	GND/D14
29	GND	GND/D15
30	GND	GND
31	-INIT	-NIC Bus Req
32	-FAULT	-NIC Int
33	-12V FLASH PROG.	-12 FLASH PROG.
34	N.C.	N.C.
35	N.C.	N.C.
36	-SEL_IN	-Prnt Int
37	+3.3V External Power (optional)	+3.3V External Power (optional)
38	GND	GND
39	GND	GND
40	GND	GND



Pin numbering of the PCB-connector mounted on the AXIS 1800.

Axis Communications

www.axis.com

Lund +46 46 270 1800	Boston +1 800 444 AXIS (2947)	Paris +33 1 49 69 15 50	London +0207 553 9200
Munich +49 89 95 93 96 0	BeNeLux +31 102 92 75 37	Singapore +65 250 8077	Hong Kong +2836 0813
Beijing +8610 6801 6023	Shanghai +8621 6372 5659	Taipei +886 2 2546 9668	Seoul +82 2 780 9636
Tokyo +81 3 3545 8282	Madrid +34 91 803 02 44	Sydney +61 2 9967 5700	

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