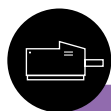


Axis Protocol Converters

5250 and 3270 Protocol Converters for High-Performance Printing from AS/400s and S/390s



Mainframe and AS/400 Printing

Axis makes printing from your AS/400 or mainframe simple and easy. You can print to any parallel or serial printer. Just attach your laser, matrix, thermal, bar code, or ink-jet printer to your twinax or coax line **without application changes to your host**, and you're ready to enjoy inexpensive printing without the loss of any functionality. With five models to choose from, you'll find the IBM printing solution to fit your need from Axis.



Axis Protocol Converters let you print to any printer from your AS/400 or S/390 mainframe

Flexibility with Functionality

Every Axis model is capable of emulating a variety of IBM printers. Choose from a variety of models, both internal or external, SCS or IPDS. With our Pocket Cobra series, you'll be able to utilize the full capabilities of your printer with throughput of up to 90ppm. You can even share the same printer with your LAN through only one connection to the printer, with the addition of Axis' PC Host Sharing cable.

Whatever Your Application, Axis has Your Solution

With full bar code support (host downloaded, resident, or printer resident), and full programmability, Axis has the solution for your printing needs. Using Computer Output Reduction, Axis protocol converters can fit up to 198 column reports onto letter-size paper.

Cost Savings

Because Axis protocol converters allow you to attach any type of printer to your IBM host, you'll see **immediate cost savings** with reduced hardware and maintenance costs.

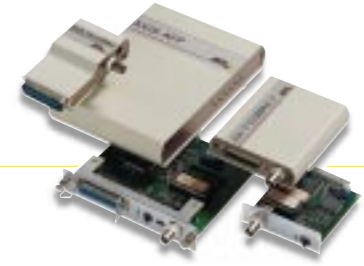
Easy Installation and Set-up

Set-up is done within minutes using a locally connected 5250, 3270 terminal or through a host downloaded pre-made configuration file. Internal units can also be configured from the front panel of the printer.

Axis also offers a family of LAN-based Print Servers supporting SCS and 3270 datastreams via TCP/IP and SNA as well as all the major protocols used with ASCII datastreams.

Mainframe and AS/400 Printing

Technical Specifications



MODELS

AXIS Pocket Cobra

Plug-in 5250/3270 protocol converter for any parallel printer. Attaches directly to the parallel port of the printer.

AXIS Cobra+

Stand-alone 5250/3270 protocol converter for any parallel or serial printer. Connects via included parallel or serial cable to printer port.

AXIS HP-MIO

Internal 5250/3270 adapter for all Hewlett-Packard printers with Modular Input/Output slot.

AXIS Oki-500

Internal 5250/3270 adapter for any Okidata Microline 320, 390, 520, and 590 series.

AXIS AFP

External IPDS converter for any parallel printer with Postscript.

ATTACHMENTS

Twinax

- 330 Pocket Cobra, AX-3 Cobra+, Oki-500/2, HP-MIO/2, AFP/2;
- AS/400 and S/3x Systems
- IBM 5251-12 and 5x94 Controllers
- IBM 5259 Migration Data Link
- IBM 5299 Terminal Multi connector

Coax

- 370 Pocket Cobra, AX-7 Cobra+, Oki-500/1, HP-MIO/1, AFP/1;
- IBM 3174, 3274, and 3276 Controllers
- IBM 43xx, 47xx, and 937x Printer Adapters
- IBM 8775 Display Terminal
- IBM 3299 Multiplexor
- Equivalent PCM Controllers

IBM Features

Twinax

- 330 Pocket Cobra, AX-3 Cobra+, HP-MIO/2, Oki-500/2;
- Multilingual support
- Auto-Orientation and Computer Output Reduction
- Client Access VP
- Client Access Virtual Printer
- Host Print Transform
- Duplex and jogging
- Scalable FGID font support
- LAC graphics for BGU/AFP (except HP-MIO)

Coax

- 370 Pocket Cobra, AX-3 Cobra+, HP-MIO/1, Oki-500/1;
- All IBM CECP national languages
- Load Translation Table support
- All IBM RPCs
- EAB (APL/Text, color)
- Query Reply and Structured Fields
- DPC connector for attachment to IBM Cabling System without using baluns
- Auto Orientation and Computer Output Reduction (except Oki-500)
- Programmable Symbols (GDDM Support) (except HP-MIO, Oki-500)

AFP

- All IPDS Towers Supported: Device Control, Text, Bar Codes, Graphics, IM Image, IO Image, Page Segments, Overlays and Loaded Fonts
- Bar Codes: MSI, UPC, /A/E/2/5, EAN-8, EAN-13, EAN 2 and 5 digit add-on, 2-of-5 Industrial, 2-of-5 Interleaved, 2-of-5 Matrix, Code 39, Codabar, Code 128 and Postnet
- 31 national languages
- Up to 128 user-definable scalable outline fonts
- Any printer resolution supported

- Any page sizes up to 100"x100" supported
- All IBM RPCs
- Page scaling offsetting
- Auto Page orientation and Computer Output Reduction
- Multiple bins and Duplex
- Job Separation

AFP FONTS

- Host downloaded fonts
- Resident fixed-pitch, PSM and typographic fonts using Type EH (1) outlines: Courier, OCR-B, Letter Gothic, Helvetica, Times Roman and New Century Schoolbook

ADDITIONAL FEATURES

- Pocket Cobra, Cobra+, Oki-500
- Bar Codes: EAN-8, EAN-13, UPC A, Code 39, Code 128, Interleaved 2-of-5 and Codabar Matrix
- Transparent data pass-through
- Start/End of job strings
- User definable strings for forms and logos
- ASCII string substitutions
- Scalable fonts support
- Extended Emulation

HP-MIO

- Bar Codes: EAN-8, EAN-13, UPC A and E, Code 39 and 128, Interleaved 2-of-5 and Codabar
- Transparent data pass-through, including XPOINTS Forms XPRESS (twinax only) and CMA/Maersk Data software support (coax only)
- Start and end of job sequences
- User programmable FGID font translation
- String substitution for text string conversion
- User-definable strings for forms and logos
- Line and character density scaling
- Top and left margin offsets

HARDWARE

Pocket Cobra

Height: 1.2 in/2.9 cm
Width: 2.2 in/5.5 cm
Depth: 4.0 in/10 cm
Weight: 0.3 lb/0.15 kg

Power

9V AC, min 300mA, provided by external power supply
Temperature: 40–105°F/5–40°C
Humidity: 10%–95% RHG non-condensing

Cobra +

Height: 1.0 in/2.5 cm
Width: 3.5 in/9.0 cm
Depth: 4.0 in/10.0 cm
Weight: .55 lb/0.25 kg

Power

9V AC — 12V DC provided by external power supply
Temperature: 50–105°F/5–40°C
Humidity: 20%–80% RHG non-condensing

AFP

Height: 1.3 in/3.2 cm
Width: 7.7 in/19.5 cm
Depth: 5.2 in/13.3 cm
Weight: 1.8 lbs/0.8 kg

Power

12–15V AC or DC, min. 500 mA provided by external power supply
Temperature: 40–105°F/5–40°C
Humidity: 10%–95% RHG non-condensing

HP-MIO and OKI-500

Units fit into internal slot provided by printer
Power: Provided by printer
Temperature: 32–110°F/0–43°C
Humidity: 0%–90% RHG non-condensing

APPROVALS

Pocket Cobra, Cobra+, HP-MIO, AFP

EMC: FCC Class A
CE 12: EN 55022/1987
EN 50082-1/1992
Safety: EN 6095, UL, CSA

OKI-500

EMC: FCC Class A
CE 12: EN 50081-1
EN 50082-1
Safety: UL, CSA, and TUV/GS

PRINTER EMULATIONS AVAILABLE WITH AXIS PROTOCOL CONVERTERS							
	330	370	AX-3	AX-7	HP-MIO	Oki-500	AFP
4028							*
3112/3116							*
3912/3916							*
3812 mod 2					*		*
3812/5219	*		*				*
3816					*		*
3816/5219	*						*
4214 mod 1 & 2	*	*	*	*	*	*	*
4224		*		*	*	*	*
4230	*	*	*	*	*	*	*
3268		*		*	*	*	*
3287		*	*	*	*	*	*
3262		*	*	*	*	*	*
5224	*	*	*	*	*	*	*
5225	*	*	*	*	*	*	*
5256	*	*	*	*	*	*	*

*Except for Axis AFP, all printer emulations are non-IPDS mode only. Axis also features DBCS language support in its twinax converters.

PRODUCT SELECTION GUIDE							
Model #	Part Number	Printer Connections	IBM Host Connection	Flash Memory	PC Host Sharing	SCS	IPDS
Axis 370 Pocket Cobra	0052-1	Parallel	Coax	*	*	*	
Axis 330 Pocket Cobra	0052-2	Parallel	Twinax	*	*	*	*
Axis AX-7 Cobra+	0036-1	Parallel or Serial	Coax	*	*	*	
Axis AX-3 Cobra+	0036-8	Parallel or Serial	Twinax	*	*	*	
Axis HP-MIO/1	0045-3C	Hewlett-Packard Printers	Coax	*	*	*	
Axis HP-MIO/2	0045-3T	Hewlett-Packard Printers	Twinax	*	*	*	
Axis OKI-500/1	0022-3	Okidata Microline Printers	Coax	*	*	*	
Axis OKI-500/2	0022-4	Okidata Microline Printers	Twinax	*	*	*	
Axis AFP/cx	0024-5C	Parallel Postscript Printer	Coax	*	*	*	*
Axis AFP/tx	0024-5T	Parallel Postscript Printer	Twinax	*	*	*	*

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