

AXEL

AX3000 Range Thin Clients

Technical Information



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McNETIC

Negocios Estratégicos de Tecnología Informática de Colombia

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Comparison Chart

Graphical & Text Mode Very high performance			Graphical & Text Mode Mid level performance/price		
					
Model 85	Model 80	Model 80WMS	Model 75	Model 70	Model 70W

Connections: - Ethernet 10/100BT - Wireless 802.11 - Serial RS232	√ √ ⁽¹⁾ √	√ - By USB	√ - By USB	√ √ ⁽¹⁾ √	√ - -	√ - -
Graphics Support: - Aspect Ratio 16:10 (max.) - Aspect Ratio 16:9 (max.) - Aspect Ratio 4:3 (max.) - Nbr of colors	1920x1200 1920x1080 1600x1200 16 Millions			1440x900 1600x900 1280x1024 65535		
Graphical Sessions: - Microsoft - TSE (from NT4 to 2008R2) - RemoteApp - Multipoint 2011 - Citrix - XenApp & Metaframe - XenDesktop - VMware View - Linux (VNC Client)	√ √ √ √ √ √ √ √	√ √ √ √ √ √ √ √	- - √ - - - - -	√ - √ √ - - - √	√ - √ √ - - - √	√ - √ √ - - - -
Text Sessions: - Unix/Linux: Telnet, ssh & tty ⁽³⁾ - AS/400 iSeries: 5250 - S/390 zSeries: 3270	√ √ √	√ √ √	- - -	√ √ √	√ √ √	- - -
Remapping Resources: - Printers - Audio (in/out) - USB Drives - Smartcard Readers	√ By USB √ √	√ By USB √ √	√ By USB √ -	√ - √ ⁽²⁾ √ ⁽²⁾	√ - √ ⁽²⁾ √ ⁽²⁾	√ - √ ⁽²⁾ √ ⁽²⁾
Administration: - Remote interactive set-up - Text sessions remote control - VNC remote control - Downloadable firmware - AXRM compliant	√ √ √ √ √	√ √ √ √ √	√ - √ √ √	√ √ - √ √	√ √ - √ √	√ √ - √ √
Connectors: - Parallel Auxiliary Port - Serial Auxiliary Ports - PS/2 (Kbd & Mouse) - USB Ports	1 2 2 2	By USB By USB - 4	By USB By USB - 4	1 2 2 2	By USB - 2 2	By USB - 2 2
Physical characteristics: - Terminal format - Terminal color - Power 120/240 volts - Dimensions (mm) - Consumption	Compact Black / White Internal 216x270x31 5 Watts	Micro Black External 105x135x27 5 Watts		Compact Black / White Internal 216x270x31 8 Watts	Micro Black External 105x135x27 6 Watts	
Product Reference	AX3-85	AX3-80	AX3-80M	AX3-75d	AX3-70	AX3-70W

⁽¹⁾ **Hardware Option:** 802.11 (WLAN): **XG624S** or **XG624S-K**

⁽²⁾ **Firmware Option:** No extra cost - Request when order or upgrade terminal by a firmware download.

⁽³⁾ **Text Emulations:** ANSI, SCO OPENSERVR, UNIX SCO 3.2.2, UNIX SCO 3.2.4, XENIX SCO, ANSI INTERACTIVE, UNIX SVR4, ANSI RS6000, ANSI DATA GENERAL, UNIXWARE 7, LINUX, VT100/VT220, VT52, WYSE 50/60/120, ADDS VP-A2, ADDS VP-60, IBM 3151, ATO300, PRISM, REAL/32, THEOS, OS2 POLYMOD2, SM9400, SM9412, TWINSERVER, PROLOGUE 3, TVI 950, QVT119+, C332.

Tecnología de Axel Ultra Thin Client

Última actualización: 18/01/2007

AXEL tiene sus propios laboratorios de desarrollo de la investigación y los ingenieros responsables de definir y desarrollar todos los aspectos de los productos de Axel. Esta fuerte y permanente inversión en tecnología nos permite mantener el control total del producto completo (hardware y software) y establece Axel aparte de todos los otros fabricantes de thin client que esencialmente integran tecnologías existentes de otras empresas.

Los principales beneficios de la tecnología "Ultra Thin Client" son:

Ningún sistema operativo

La innovadora tecnología Ultra Thin Client de Axel utiliza todos los recursos de hardware para funciones específicas de cliente ligero y no simplemente a un sistema operativo de host. Estas funciones son:

- Rendimiento de actualización/resolución de pantalla
- Elevada robustez y disponibilidad
- Ninguna fragmentación de la memoria
- Prueba de virus totalmente

Para obtener más información sobre la tecnología Ultra Thin Client de Axel, por favor consulte el artículo técnico [WP0002_](#).

No hay aplicaciones incrustadas

Aplicaciones embebidas en un terminal son una fuente de problemas, considere lo siguiente:

- Aplicación de parches y actualizaciones de seguridad regulares
- Apoyo y seguimiento de las sucesivas versiones de las aplicaciones
- Después de que se necesite una actualización más memoria para ejecutar la nueva versión
- Integridad de funcionalidad: es decir dos terminales 'idénticos' pueden comportarse de forma muy diferente dependiendo de las aplicaciones instaladas y sus versiones.

Internet browser (ej., Firefox, Netscape...) es el ejemplo típico de aplicación incorporada que demuestra todos estos problemas. Para más información consultar el artículo técnico [WP0003_](#).

Sin Administración Local

Por no tener un sistema operativo el conjunto masivamente se simplifica.

- ningún sistema de archivos o el registro,
- ausencia de administración de cuentas de usuario,
- nueva configuración de los parámetros es efectivos inmediatamente (es decir sin necesidad de reiniciar el sistema),
- ningún archivo de backup o restore cuestiones (en el caso de revertir una actualización de software fallido).

A pesar de su avanzada tecnología el Axel terminal es administrado como una terminal tradicional. El montaje está diseñado para ser igualmente accesible desde el terminal o de forma remota en la red (por telnet).

Finalmente...

Otros beneficios de Ultra Thin Client de Axel:

- arranque rápido – conexión inmediata
- Axel tener control total sobre el producto (en términos de diseño, fabricación y mantenimiento).
- Confiabilidad y estabilidad garantizada



AX3000 MODEL 85 (Reference: AX3-85)

Very High Graphical Performance

Overview



Designed and manufactured by AXEL, the AX3000 Terminal allows **Ethernet TCP/IP** or **wireless** connections in both **text and graphics sessions** to all popular multi-user operating systems: Windows, Unix/Linux, AS/400, S/390, etc.

The terminal is available in black or white.

Main Features

Network Interfaces:

- Ethernet 10/100BT
- Wireless 802.11 (optional)



Screen Session Protocols:

- RDP
- ICA/HDX
- View Client
- VNC
- telnet, ssh and tty (*)
- telnet 5250
- telnet 3270

Graphical specifications:

- Resolutions (according aspect ratio):
 - . 16/10: 1440x900, 1680x1050, 1920x1200
 - . 16/9: 1360x768, 1600x900, 1920x1080
 - . 4/3: 800x600, 1024x768, 1280x960, 1280x1024, 1600x1200
- Max number of colors: True Color (24/32 bpp)

Supported USB Devices:

- Keyboards, mice, barcode readers
- Printers
- Touch Screens
- USB-RS232 and USB-Parallel Adaptors
- Smartcard readers
- Audio devices

Auxiliary Port Protocols:

- LPD
- RDP/ICA Printer and COM Port Redirection
- Prt5250 (TN5250E)
- Prt3270 (TN3270E)
- tty (client & server)
- telnet (client)
- rcmd/rsh

Centralized Administration:

- Remote set-up
- Text Remote control
- VNC Remote control
- DHCP & DNS support
- Downloading firmware (XML, BOOTP & TFTP)

* Available emulations: 3151, ADDS VP-60, ADDS VP-A2, ANSI DATA GENERAL, ANSI INTERACTIVE, ANSI RS6000, ATO300, C332, LINUX, OS2 POLYMOD2, PRISM, PROLOGUE 3, QVT119+, REAL/32, SCO OPENSERVR, SM9400, SM9412, THEOS, TVI 950, TWINSERVER, UNIX SCO 3.2.2, UNIX SCO 3.2.4, UNIX SVR4, UNIXWARE 7, VT100/VT220, VT52, WYSE 50/60/120, XENIX SCO

Technical Information



Rear panel: AX3000 Model 85

Rear panel connectors:

- Power connect for the AX3000,
- VGA monitor connector,
- PS/2 keyboard connector,
- PS/2 mouse connector,
- RJ45 serial auxiliary port connector,
- RJ45 serial auxiliary port connector,
- Parallel port connector,
- RJ45 TCP/IP 10/100BaseT connector,
- Wireless 802.11 (optional).

Left side:

- 2 USB Ports

Weight: 1,35 Kg

Dimensions: 216x270x31 mm

Consumption (no device): 8 watts

Power: internal - 110-240V (auto-switch)



AX3000 MODEL 80 (Reference: AX3-80)

Very High Graphical Performance

Overview



Designed and manufactured by AXEL, the AX3000 Terminal allows direct TCP/IP **text and graphics** connections to all popular multi-user operating systems: Windows, Unix/Linux, AS/400, S/390, etc.

This terminal is designed to be mounted on rear of a flat screen:



Main Features

Network Interface:

- Ethernet 10/100BT

Screen Session Protocols:

- RDP
- ICA/HDX
- View Client
- VNC
- telnet, ssh and tty (*)
- telnet 5250
- telnet 3270

Graphical specifications:

- Resolutions (according aspect ratio):
 - . 16/10: 1440x900, 1680x1050, 1920x1200
 - . 16/9: 1360x768, 1600x900, 1920x1080
 - . 4/3: 800x600, 1024x768, 1280x960, 1280x1024, 1600x1200
- Max number of colors: True Color (24/32 bpp)

Supported USB Devices:

- Keyboards, mice, barcode readers
- Printers
- Touch Screens
- USB-RS232 and USB-Parallel Adaptors
- Smartcard readers
- Audio devices

Auxiliary Port Protocols:

- LPD
- RDP/ICA Printer and COM Port Redirection
- Prt5250 (TN5250E)
- Prt3270 (TN3270E)
- tty (client & server)
- telnet (client)
- rcmd/rsh

Centralized Administration:

- Remote set-up
- Text Remote control
- VNC Remote control
- DHCP & DNS support
- Downloading firmware (XML, BOOTP & TFTP)

* Available emulations: 3151, ADDS VP-60, ADDS VP-A2, ANSI, ANSI DATA GENERAL, ANSI INTERACTIVE, ANSI RS6000, ATO300, C332, LINUX, OS2 POLYMOD2, PRISM, PROLOGUE 3, QVT119+, REAL/32, SCO OPENSERVR, SM9400, SM9412, THEOS, TVI 950, TWINSERVER, UNIX SCO 3.2.2, UNIX SCO 3.2.4, UNIX SVR4, UNIXWARE 7, VT100/VT220, VT52, WYSE 50/60/120, XENIX SCO

Technical Information



Rear Panel Connectors:

- Power connector for the AX3000,
- VGA monitor connector,
- 2 USB ports,
- RJ45 TCP/IP 10/100BT connector.

Front Panel Connectors:

- 2 USB ports.

Weight: 330 g

Dimensions: 105x135x27 mm

Consumption (no device): 5 watts

Power Supply: external

AX3000 MODEL 80WMS

(Reference: AX3-80M)

Dedicated to Multipoint 2011

Overview



The Model 80WMS will only work with Windows Multipoint 2011 servers (connection Ethernet TCP/IP).

This terminal is designed to be mounted on rear of a flat screen:



Main Features

Network Interface:

- Ethernet 10/100BT

Screen Session Protocols:

- RDP

Graphical specifications:

- Resolutions (according aspect ratio):
 - . 16/10: 1440x900, 1680x1050, 1920x1200
 - . 16/9: 1360x768, 1600x900, 1920x1080
 - . 4/3: 800x600, 1024x768, 1280x960, 1280x1024, 1600x1200
- Max number of colors: True Color (24/32 bpp)

Supported USB Devices:

- Keyboards, mice, barcode readers
- Printers
- Audio devices

Auxiliary Port Protocols:

- LPD
- RDP Printer and COM Port Redirection

Centralized Administration:

- Remote set-up
- VNC Remote control
- DHCP & DNS support
- Downloading firmware (XML, BOOTP & TFTP)

Technical Information



Rear Panel Connectors:

- Power connector for the AX3000,
- VGA monitor connector,
- 2 USB ports,
- RJ45 TCP/IP 10/100BT connector.

Front Panel Connectors:

- 2 USB ports.

Weight: 330 g

Dimensions: 105x135x27 mm

Consumption (no device): 5 watts

Power Supply: external



AX3000 MODEL 75 (Reference: AX3-75d)

Overview



Designed and manufactured by AXEL, the AX3000 Terminal allows **Ethernet TCP/IP** or **wireless** connections in both **text and graphics sessions** to all popular multi-user operating systems: Windows, Unix/Linux, AS/400, S/390, etc.

The terminal is available in black or white.

Main Features

Network interfaces:

- Ethernet 10/100BT
- Wireless 802.11 (optional)



Screen Session Protocols:

- RDP
- ICA/HDX
- VNC
- telnet, ssh and tty (*)
- telnet 5250
- telnet 3270

Graphical specifications:

- Resolutions (according aspect ratio):
 - . 16/10: 1440x900
 - . 16/9: 1360x768, 1600x900
 - . 4/3: 640x480, 800x600, 1024x768, 1280x1024
- Max number of colors: 65535

Supported USB Devices:

- Keyboards, mice, barcode readers
- Printers
- Touch Screens
- USB-RS232 and USB-Parallel Adaptors
- Smartcard readers

Auxiliary Port Protocols:

- LPD
- RDP/ICA Printer and COM Port Redirection
- Prt5250 (TN5250E)
- Prt3270 (TN3270E)
- tty (client & server)
- telnet (client)
- rcmd/rsh

Centralized Administration:

- Remote set-up
- Text Remote control
- DHCP & DNS support
- Downloading firmware (XML, BOOTP & TFTP)

* Available emulations: 3151, ADDS VP-60, ADDS VP-A2, ANSI, ANSI DATA GENERAL, ANSI INTERACTIVE, ANSI RS6000, ATO300, C332, LINUX, OS2 POLYMOD2, PRISM, PROLOGUE 3, QVT119+, REAL/32, SCO OPENSERVR, SM9400, SM9412, THEOS, TVI 950, TWINSERVER, UNIX SCO 3.2.2, UNIX SCO 3.2.4, UNIX SVR4, UNIXWARE 7, VT100/VT220, VT52, WYSE 50/60/120, XENIX SCO

Technical Information



Rear panel: AX3000 Model 75

Rear panel connectors:

- Power connect for the AX3000,
- VGA monitor connector,
- PS/2 keyboard connector,
- PS/2 mouse connector,
- RJ45 serial auxiliary port connector,
- RJ45 serial auxiliary port connector,
- Parallel port connector,
- RJ45 TCP/IP 10/100BaseT connector.

Left side:

- 2 USB Ports

Weight: 1,35 Kg

Dimensions: 216x270x31 mm

Consumption (no device): 8 watts

Power: internal - 110-240V (auto-switch)



AX3000 MODEL 70 (Reference: AX3-70)

Overview



Designed and manufactured by AXEL, the AX3000 Terminal allows direct TCP/IP **text and graphics** connections to all popular multi-user operating systems: Windows, Unix/Linux, AS/400, S/390, etc.

This terminal is designed to be mounted on rear of a flat screen:



Main Features

Network interface:

- Ethernet 10/100BT

Screen Session Protocols:

- RDP
- ICA/HDX
- VNC
- telnet, ssh and tty (*)
- telnet 5250
- telnet 3270

Graphical specifications:

- Resolutions (according aspect ratio):
 - . 16/10: 1440x900
 - . 16/9: 1360x768, 1600x900
 - . 4/3: 640x480, 800x600, 1024x768, 1280x1024
- Max number of colors: 65535

Supported USB Devices:

- Keyboards, mice, barcode readers
- Printers
- Touch Screens
- USB-RS232 and USB-Parallel Adaptors
- Smartcard readers

Auxiliary Port Protocols:

- LPD
- RDP/ICA Printer and COM Port Redirection
- Prt5250 (TN5250E)
- Prt3270 (TN3270E)
- tty (client & server)
- telnet (client)
- rcmd/rsh

Centralized Administration:

- Remote set-up
- Text Remote control
- DHCP & DNS support
- Downloading firmware (XML, BOOTP & TFTP)

* Available emulations: 3151, ADDS VP-60, ADDS VP-A2, ANSI, ANSI DATA GENERAL, ANSI INTERACTIVE, ANSI RS6000, ATO300, C332, LINUX, OS2 POLYMOD2, PRISM, PROLOGUE 3, QVT119+, REAL/32, SCO OPENSERVR, SM9400, SM9412, THEOS, TVI 950, TWINSERVER, UNIX SCO 3.2.2, UNIX SCO 3.2.4, UNIX SVR4, UNIXWARE 7, VT100/VT220, VT52, WYSE 50/60/120, XENIX SCO

Technical Information



Rear Panel Connectors:

- Power connector for the AX3000,
- VGA monitor connector,
- 2 PS/2 ports,
- RJ45 TCP/IP 10/100BT connector.

Front Panel Connectors:

- 2 USB ports.

Weight: 330 g

Dimensions: 105x135x27 mm

Consumption (no device): 6 watts

Power Supply: external

AX3000 MODEL 70W (Reference: AX3-70W)

Overview



Designed and manufactured by AXEL, this Terminal is a cost effective terminal for users who only require connection to Windows and Citrix

This terminal is designed to be mounted on rear of a flat screen:



Main Features

Network interface:

- Ethernet 10/100BT

Screen Session Protocols:

- RDP
- ICA/HDX

Graphical specifications:

- Resolutions (according aspect ratio):
 - . 16/10: 1440x900
 - . 16/9: 1360x768, 1600x900
 - . 4/3: 640x480, 800x600, 1024x768, 1280x1024
- Max number of colors: 65535

Supported USB Devices:

- Keyboards, mice, barcode readers
- Printers
- Touch Screens
- USB-RS232 and USB-Parallel Adaptors
- Smartcard readers

Auxiliary Port Protocols:

- LPD
- RDP/ICA Printer and COM Port Redirection
- tty (client & server)
- rcmd/rsh

Centralized Administration:

- Remote set-up
- DHCP & DNS support
- Downloading firmware (XML, BOOTP & TFTP)

Technical Information



Rear Panel Connectors:

- Power connector for the AX3000,
- VGA monitor connector,
- 2 PS/2 ports,
- RJ45 TCP/IP 10/100BT connector.

Front Panel Connectors:

- 2 USB ports.

Weight: 330 g

Dimensions: 105x135x27 mm

Consumption (no device): 6 watts

Power Supply: external



ACCESSORIES

VESA Mounting Kit (M80, M70 & M70W)



The VESA mounting kit allows the terminal to be mounted on the rear of TFT monitors that have the 4 VESA mount screw holes available.

This device is supplied free with applicable models (M70x & M80)

VESA Security Kit (M80, M70 & M70W)



Ref. : VESALK

The security kit contains an extra plate and two security screws that prevent the terminal from being removed without the use of a special tool.



RJ45-DB9 Adaptor (M85 & M75)



Ref. : ADRJD9

Converts terminal's RJ45 serial ports into same gender and pin-out as a PC com1 port

RJ45-DB25 Adaptor (M85 & M75)



Ref. : ADRJD25

Converts terminal's RJ45 serial ports to same gender and pin-out as a std serial ASCII terminal

RJ45-MiniDin Adaptor (M85, M75 & M70)



Ref. : ADRJDIN

PS/2 to Mini-Din Keyboard Converter

Converts PS/2 port to As/400 5250 keyboard connector (clip type)

