

# AXEL

## *AX3000 Range Thin Clients*

### Technical Information



*September 2011*

## Comparison Chart

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

<b>Connections:</b> - Ethernet 10/100BT - Wireless 802.11 - Serial RS232	√ √ <sup>(1)</sup> √	√ - By USB	√ - By USB	√ √ <sup>(1)</sup> √	√ - -	√ - -
<b>Graphics Support:</b> - 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		
<b>Graphical Sessions:</b> - Microsoft - TSE (from NT4 to 2008R2) - RemoteApp - Multipoint 2011 - Citrix - XenApp & Metaframe - XenDesktop - VMware View - Linux (VNC Client)	√ √ √ √ √ √ √ √	√ √ √ √ √ √ √ √	- - √ - - - - -	√ - √ √ √ - - √	√ - √ √ √ - - √	√ - √ √ √ - - -
<b>Text Sessions:</b> - Unix/Linux: Telnet, ssh & tty <sup>(3)</sup> - AS/400 iSeries: 5250 - S/390 zSeries: 3270	√ √ √	√ √ √	- - -	√ √ √	√ √ √	- - -
<b>Remapping Resources:</b> - Printers - Audio (in/out) - USB Drives - Smartcard Readers	√ By USB √ √	√ By USB √ √	√ By USB √ -	√ - √ <sup>(2)</sup> √ <sup>(2)</sup>	√ - √ <sup>(2)</sup> √ <sup>(2)</sup>	√ - √ <sup>(2)</sup> √ <sup>(2)</sup>
<b>Administration:</b> - Remote interactive set-up - Text sessions remote control - VNC remote control - Downloadable firmware - AXRM compliant	√ √ √ √ √	√ √ √ √ √	√ - √ √ √	√ √ - √ √	√ √ - √ √	√ √ - √ √
<b>Connectors:</b> - 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
<b>Physical characteristics:</b> - 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	
<b>Product Reference</b>	<b>AX3-85</b>	<b>AX3-80</b>	<b>AX3-80M</b>	<b>AX3-75d</b>	<b>AX3-70</b>	<b>AX3-70W</b>

<sup>(1)</sup> **Hardware Option:** 802.11 (WLAN): **XG624S** or **XG624S-K**

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

<sup>(3)</sup> **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.

## 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, 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)

\* 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 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

### 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)