netlinx® touch panel interface 4

DYNAMIC VISION

The vision of control has changed. As of today, it has never looked so clear, so sharp and so utterly amazing. Our AMX G4 graphics usher your AMX Touch Panels into an exciting world of endless colors and astounding images. Appearing through the Touch Panel Interface 4 (NXP-TPI/4), this is the next generation of control, graphics and motion. The standard has been set by AMX – once again.

COLORS, GRAPHICS & ICONS

Sixteen million colors courtesy of 32-bit graphics with an 8-bit alpha channel. Try using see-through buttons that float over a video window. Fade-up control windows. That's the alpha channel at work. That same alpha channel opens the door to animated icons that flip, spin, squish and otherwise amaze your client.

FOUR FREE-FORM MULTIMEDIA WINDOWS

Display as many as four real-time 24-bit video and RGB media windows. The touch panel image quality remains superb. Create any mix of four video and RGB input cards – you're not limited to using only one of each.

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NXP-TPI/4 (FG2275-01)

FEATURES AMX G4 GRAPHICS
- 32-bit touch panel graphics with 8-bit alpha-channel transparency
- 16 million colors
- Animated buttons/icons
- Transparent images and buttons

DISPLAYS UP TO 4 MEDIA WINDOWS
- 24-bit video/graphics
- RGB, Video, S-Video
- Resizable windows
- Real-time video on all windows
- Inputs up to 1600x1200 sized images
- Outputs up to 1280x1024 displays
- Routes USB/PS2 mouse and keyboard data via USB to computers from each RGB input
- Plays WAV and MP3 sound files
- Operates on ICSNet and Ethernet networks
- 4 Scalable video windows are driven by any combination of four TP4-RGB and TP4-VID cards
- Adapts to specific display requirements using software programmable refresh rates

POWER
- NXP-TPI/4 unit: 750 mA @ 12 VDC (using a PSN6.5)
- TP4-VID input card: 400 mA @ 12 VDC
- TP4-RGB input card: 400 mA @ 12 VDC

MEMORY
- 64MB SDRAM (upgradeable to 256MB)
- 64MB Compact Flash (upgradeable to 1G) factory programmed with panel firmware

DIMENSIONS (HWD)
- NXP-TPI/4: 2.12" x 16.95" x 10.24" (5.38 cm x 43.05 cm x 26.01 cm)
- TP4-VID: 1.05" x 2.80" x 8.60" (with connector – 9.34") (2.67 cm x 7.11 cm x 21.84 cm (with connector 23.72 cm))
- TP4-RGB: 1.05" x 2.80" x 8.60" (with connector – 9.34") (2.67 cm x 7.11 cm x 21.84 cm (with connector 23.72 cm))

WEIGHT
- NXP-TPI/4 base unit: 4.80 lbs (2.18 kg)
- NXP-TPI/4 with two cards: 6.05 lbs

ENCLOSURE
Metal with black matte finish

TOUCH DRIVERS
- ELO®, MicroTouch®, DynaPro®, SmartTech®, EZScreen®, Wacom®, IST®
- For future touch drivers, visit www.amx.com

FRONT PANEL COMPONENTS:
SERIAL SUPPORT
RS232 (DB-9) 9-pin serial port; used for PC to TPI4 programming

PUSHBUTTONS AND LEDS
- 4 pushbuttons to change Resolution, Touch, Calibration and Setup settings
- 6 LEDs display the activity of inputs 1-4, Power and ICSP

REAR PANEL COMPONENTS:
TOUCH INPUT CONTROL
- RS232 (DB-9) 9-pin serial port; used to connect a pointer device such as a mouse or touch screen
- USB port can be used to connect a pointer device

PC CONTROL
- 2 PS/2 ports for Keyboard and Mouse control
- 2 USB port can be used to connect a pointer device

VGA OUTPUT
HD-15 VGA output connector with a maximum resolution of 1280x1024 @ 60 Hz

CONTROL NETWORK
- 2 RJ-45 ICSNet ports
- 1 RJ-45 10/100baseT Ethernet port

INPUT CARD SLOTS
- Any combination of 4 TPI/4 input cards
- TP4-RGB Card – HD15 D-Sub and USB port for computer control
- TP4-VID Video Card – Switchable Composite and S-Video input

OUTPUT REFRESH RATES PER RESOLUTION
- 640x480 (VGA): 60 Hz, 72 Hz and 75 Hz
- 800x600 (SVGA): 60 Hz, 72 Hz and 75 Hz
- 1024x768 (XGA): 60 Hz, 70 Hz and 75 Hz
- 1280x1024 (SXGA): 60 Hz

AUDIO
Stereo output through a 3.5mm mini-jack

TP4-VID (FG2275-10)
- Use the TP4-VID input module in any input slot to connect video sources, such as VCRs and DVDs
- Accepts Composite and S-Video input signals for scalable video windows
- Supports NTSC/PAL/SECAM video input signals
- Inputs selectable under program control
- Connectors include:
- BNC Composite Video Input
- S-Video Video Input
- Composite LED indicates that its respective connector is currently selected for video input
- S-Video LED indicates that its respective connector is currently selected for video input

TP4-RGB (FG2275-20)
- Use the TP4-RGB input module in any input slot to connect RGB-type sources such as VGA, SVGA, etc.
- Accepts RGBHV, RGBS (H/V) and RGSB
- Accepts computer-level graphics for scalable video windows
- USB host port used for pass-through computer control
- Connectors include:
- HD-15 D-Sub Graphics Input
- USB Mouse/Keyboard Output Port

INPUT RESOLUTION AND REFRESH RATES PER RESOLUTION OF INCOMING SIGNAL
- 640x480 (VGA): 60 Hz, 72 Hz, 75 Hz and 85 Hz
- 800x600 (SVGA): 60 Hz, 72 Hz, 75 Hz and 85 Hz
- 1024x768 (XGA): 60 Hz, 70 Hz, 75 Hz and 85 Hz
- 1280x1024 (SXGA): 60 Hz, 75 Hz and 85 Hz
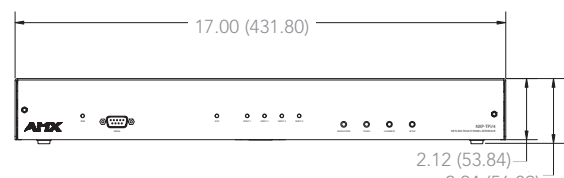- 1600x1200 (UXGA): 60 Hz

INCLUDED ACCESSORIES
- Brackets for shelf, wall and under-table mounting (Rack ears)
- Rack Kit (consists of Front bezel, Mounting screws, Rack Mount and magnetic faceplate)
- One 2-pin PWR connector
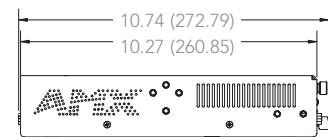- 4 input card covers
- Quick Start Guide

OPTIONAL ACCESSORIES
- PSN6.5 Power Supply (12 VDC)
- TP4-RBG/TP4-VID Input Cards
- TP4-RGBCBL – RGB Breakout Cable, 15-pin HD female to 5x BNC male connector
- Upgrade SDRAM memory:
- NXA-EXM128M – 128MB memory card
- NXA-EXM256M – 256MB memory card
- Upgrade Compact Flash (factory programmed with firmware):
- NXA-CFTPI128M – 128MB compact flash card
- NXA-CFTPI256M – 256MB compact flash card
- NXA-CFTPI512M – 512MB compact flash card
- NXA-CFTPI1G – 1G compact flash card

10.74 (272.79)
10.27 (260.85)

NXP-TPI/4 (Right Side)

NXP-TPI/4 (Back View)

17.00 (431.80)
2.12 (53.84)
2.24 (56.89)

NXP-TPI/4 (Front View)

AMX®

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