

# 12" modero® multimedia touch panel



The 12" Modero VG Series Touch Panel – available in Table Top and Wall/Flush Mount versions – represents the ultimate multimedia touch panel solution. So robust, it can handle virtually any analog or digital media data source being used in today's high-demand businesses or high-end residential environments.

## DIGITAL STREAMING

Powered by a DSP core, the 12" Modero VG Series has the muscle to handle digital streaming – both video and audio, in wired or wireless configurations. The 12" Modero VG Series features full support for standard MPEG-2 video and audio. Special cabling for media is no longer required to leverage the network to its fullest.

## ALL ETHERNET

As with all next generation Modero panels, the 12" VG Series uses industry-standard Ethernet connectivity for both wired and wireless networking. Integration and installation have never been easier.



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## NXT-1200VG (FG2250-61/ NXD-1200VG (FG2251-61)

### DIMENSIONS (HWD)

- NXT-1200VG (with faceplate): 12.4" x 12.5" x 3.25"  
(31.43 cm x 31.97 cm x 8.25 cm)
- NXT-1200VG (Fully raised): 10.91" x 12.34" x 12.48"  
(27.70 cm x 31.33 cm x 31.75 cm)
- NXT-1200VG (Fully lowered): 6.77" x 12.34" x 12.48"  
(17.20 cm x 31.33 cm x 31.75 cm)
- CB-TP12 (conduit/wallbox): 11.52" x 11.60" x 3.50"  
(29.27 cm x 29.47 cm x 8.89 cm)
- MB-TP12 (VESA mounting box): 12.37" x 12.58" x 3.52"  
(31.42 cm x 31.95 cm x 8.94 cm)

### POWER

- 12" Modero panels (full draw): 2.3 A @ 12 VDC (stand-alone)

### MEMORY

- 256 MB SDRAM
- 128 MB Compact Flash (upgradable to 1GB factory programmed)

### WEIGHT

- NXT-1200VG: 10.80 lbs (4.90 kg)
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### LCD

- Aspect Ratio: 4:3
- Brightness (luminance): 250 cd/m2
- Channel transparency: 8-bit Alpha channel transparency
- Contrast ratio: 300:1
- Display area (HW): 183.10 mm x 247.40 mm
- Display colors: 256K (18-bit color depth)
- Dot/Pixel pitch: 0.297 mm
- Screen resolution (HV): 800 x 600 pixels
- Video formats: NTSC, PAL, and SECAM (shown within variablesize video windows)
- Viewing angles (160° total viewing angle):  
Horizontal: + 80° (left and right from center)  
Vertical: + 80° (up and down from center)

### SUPPORTED AUDIO SAMPLE RATES

- 48000Hz, 44100Hz, 32000Hz, 24000Hz, 22050Hz, 16000Hz, 12000Hz, 11025Hz, and 8000Hz

### CERTIFICATIONS

- FCC, CE, and EN60950

### FRONT PANEL COMPONENTS

- Light Sensor: Photosensitive light detector for automatic adjustment of the panel brightness
- Motion Sensor (PIR): Proximity Infrared Detector to wake the panel when panel is approached
- Front Setup Access Button: Pushbutton (grey) used to either put the panel into a "sleep" or "wake" state
- Microphone: Used for intercom applications
- Speakers: Stereo output with a frequency response of 450 Hz - 7 KHz

### REAR PANEL COMPONENTS

- RGB Connector: Made available only by using an NXA-RGB interface card installed within the touch panel. Used with Component/RGB signals
- Audio/Video Connector: RJ-45 connector for communication of differential audio/video signals
- Ethernet 10/100 Port: RJ-45 port for 10/100 Mbps communication
- PWR Connector: 2-pin 3.5 mm mini-Phoenix connector
- Stereo Output Connector: Stereo output through a 3.5mm mini-jack
- USB Connector: Two Type A USB ports
- Mini-USB Connector: 5-pin Mini-USB connector

### OPERATING / STORAGE ENVIRONMENTS

- Operating Temperature: 10° C (50° F) to 40° C (104° F)
- Operating Humidity: 20% to 85% RH
- Storage Temperature: -20° C (-4° F) to 60° C (140° F)
- Storage Humidity: 5% to 85% RH

### INCLUDED ACCESSORIES:

- Installation Kit for 12" and 17" NXD panels (KA2251-01):
  - 2-pin mini-Phoenix connector (41-5025)
  - Three Phillips-head screws (#4-20 x 0.250 Black) (80-0114-08)
  - One CAT5 Suppression Ferrites (04-0014)
  - Four Drywall clips (62-5924-05) and #6 -metal strips (80-0192)
- Installation Kit for 12" NXT panels (KA2251-03):
  - 2-pin mini-Phoenix connector (41-5025)
  - Three Phillips-head screws (#4-20 x 0.250 Black) (80-0114-08)
  - Two CAT5 Suppression Ferrites (04-0014)
- Included within the RGB Kit (FGxxx-xxRGB) is the following:
  - Modero VG Touch Panel (NXD/NXT-1200/1500/1700VG)
  - NXA-AVB/RGB Breakout Box (FG2254-11)
  - NXA-RGB internal RGB/VGA Interface Card (FG2260)
  - NXA-MTC/RGB Modero 10' foot Table Top Cable (with RGB connector) (CA2250-70)
  - TP4-RGBCBL BNC to RGB adapter cable (FG2275-30)
- Included within the Video Kit (FGxxx-xV) is the following:
  - Modero VG Touch Panel (NXD/NXT-1200/1500/1700VG)
  - Modero 10' foot Table Top Cable (CA2250-50)
  - NXA-AVB/ETHERNET Breakout Box (FG2254-10)

### OPTIONAL ACCESSORIES

- CB-TP12 Conduit/Wallbox (FG031-10)
- CC-USB (Type A) to Mini-B 5-Wire programming cable (FG10-5965)
- Kensington Lock Kit (FG2259-10) (optional only with NXT models)
- MB-TP12 Universal VESA Mounting Box (FG031-50)
- NXA-AVB/ETHERNET Breakout Box (FG2254-10)
- NXA-AVB/RGB Breakout Box (FG2254-11)
- NXA-BASE/B (FG2255)
- NXA-MTC/RGB Modero 10' foot Table Top Cable (with RGB connector) (CA2250-70). This cable is not wall-rated for NXD models.
- RGB upgrade kit for Composite Video touch panels (FG2255-11):
  - NXA-AVB/RGB Breakout Box (FG2254-11)
  - NXA-MTC/RGB Modero 10' foot Table Top Cable (with RGB connector) (CA2250-70)
  - NXA-RGB internal RGB/VGA Interface Card (FG2260)
  - TP4-RGBCBL BNC to RGB adapter cable (FG2275-30)
  - NXT Table Top replacement I/O plate (with RGB connector opening) (62-2250-59)
  - NXD WallMount replacement adhesive overlay for existing I/O plate (53-2250-03)

Note: The NXT replacement I/O plate is a single piece which is meant to be swapped-out with the pre-existing plate shipped with Composite Video panels. On NXD panels, the RGB connector opening is pre-drilled into the I/O plate but can only be accessed by replacing the adhesive cover and maintaining the existing overlay. When upgrading NXD panels with this kit, don't replace the NXD I/O plate, only the adhesive cover.

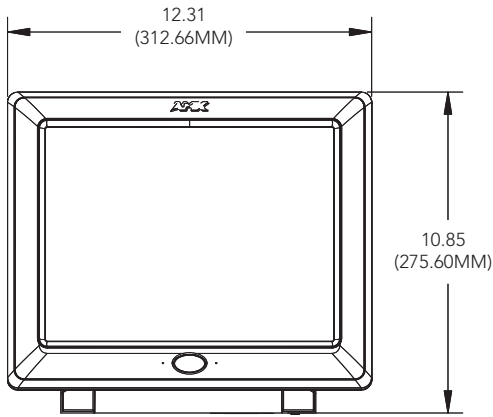
- NXA-PCI80211G Wireless Card (FG2255-04) (NXD models only)
- NXA-RK12 Rackmount kit for 12" Wall Mount panels (FG2904-50)
- NXT-BP (FG2250-10)
- NXT-CHG (FG2250-50)
- PSN6.5 Power Supply (12 VDC) (FG423-41)
- TP4-RGBCBL BNC to RGB adapter cable (FG2275-30)
- Upgrade Compact Flash (factory programmed with firmware):
  - NXA-CFTPV256M - 256 MB compact flash card (FG2116-43)
  - NXA-CFTPV512M - 512 MB compact flash card (FG2116-44)
  - NXA-CFTPV1G - 1 GB compact flash card (FG2116-45)



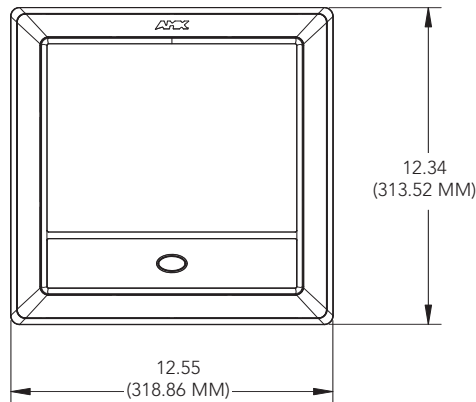
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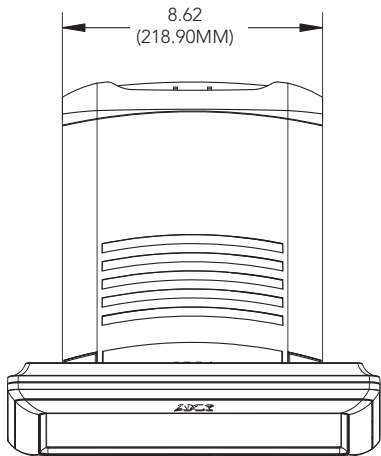
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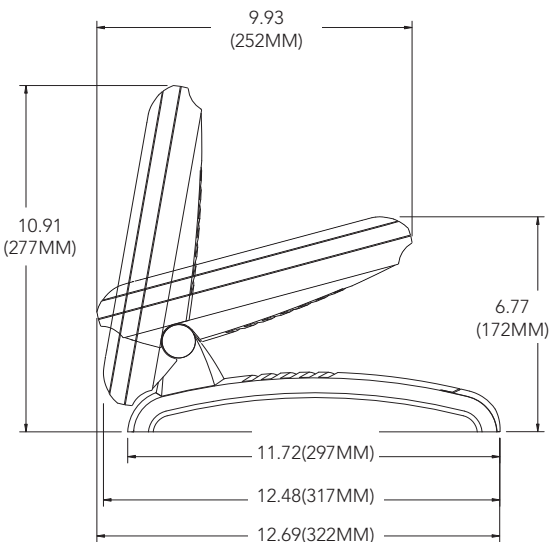
NXT-1200VG (Front View)



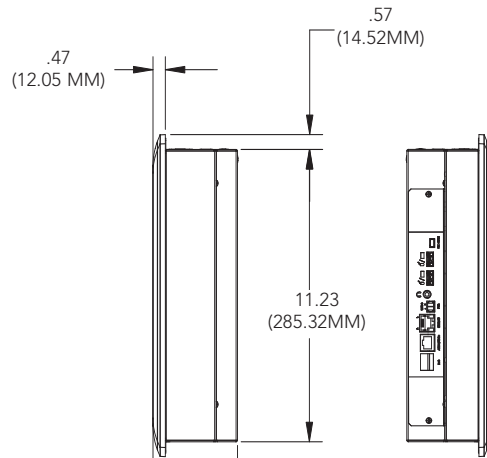
NXD-1200VG (Front View)



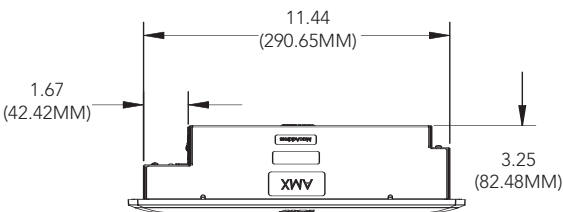
NXT-1200VG (Top View)



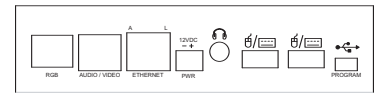
NXT-1200VG (Side View)



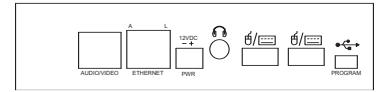
NXD-1200VG (Side Views)



NXD-1200VG (Top View)

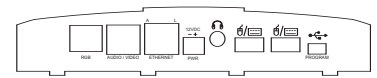


NXD-1200VG/RGB

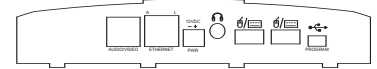


NXD-1200VG  
NXD-1200V

## Interconnect Options Connector Overlays



NXT-1200VG/RGB



NXT-1200VG  
NXT-1200V

## Interconnect Options Connector Plate



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