MPPC 3710T

Main Features

- 16:9 37" Fan-less Panel Computer
- Intel® Atom™ N270, Low Consumption CPU
- 2nd Display VGA Port
- Dual GbE
- USB x 2/1 x Mini-PCIe/1 x CF/1 x RS232/422/485
- Optional Touch Screen, WiFi Module, 2.5"HDD

- DDR2 1GB (Onboard 1G for 5.25")
- 2.5" HDD Bracket.
- Two Speakers
- CF as default(COM2/TV-Out as Optional)
- +12V Power Adaptor

Product Overview

NEXCOM's Multimedia Panel PC incorporates a 16:9 LCD touch screen panel, industrial motherboard and PowerDigiS Digital Signage Software making it the perfect "signage ready" Panel PC solution for the Self Service/Kiosk applications. The front panel with touch screen is IP-65 compliant and is therefore resistant to water and dust.

The MPPC Series is available in various different LCD sizes including 21.6" and 37" with resolutions up to 1920x1020 (full HD). Other features include built-in dual Ethernet and optional WiFi module and the slimmest x86 based touch terminal. Designed for an extended number of applications the MPPC Series can be utilized as a thin client computer or within in-vehicle systems, portable devices, and digitalized home and POS / Kiosk terminals.

Specifications

Panel

- LCD size: 37", 16:9
- Resolution: Full HD, 1920 x 1080
- Pixel pitch: 0.14225mm (H) x 0.0.42675mm (V)
- Luminance: 500 cd/m²
- Contrast ratio: 5000
- Viewing angle: 88(U), 88(D), 88(L), 88(R)
- Response time: 6.5ms
- Backlight: CCFL
- Touch screen (optional): Resistive
- Touch light transmission: 80%
- Touch interface: USB

System

- CPU: Onboard Intel® Atom™ N270 1.6GHz (2.5W)
- BIOS: Award 8Mbit Flash BIOS
- System chipset: Intel® 945GSE / ICH7M
- I/O chip: ITE8712F
- System memory: Onboard 1GB DDR2 and One 200-pin DDR2 SODIMM supports up to Max. 2GB DDR2 400/533 (1GB per bank)

- SSD: One CF socket by IDE secondary slave channel supports Type I/II Compact Flash Card
- Hard driver bay: Optional 2.5" SATA HDD
- Watchdog Timer
  Reset: 1 sec. to 255 min. and 1 sec. or 1 min./step
- H/W status monitor: Monitoring system temperature, voltage, and cooling fan status. Auto throttling control when CPU overheats
- Expansion: Mini-PCI, Mini-PCIe

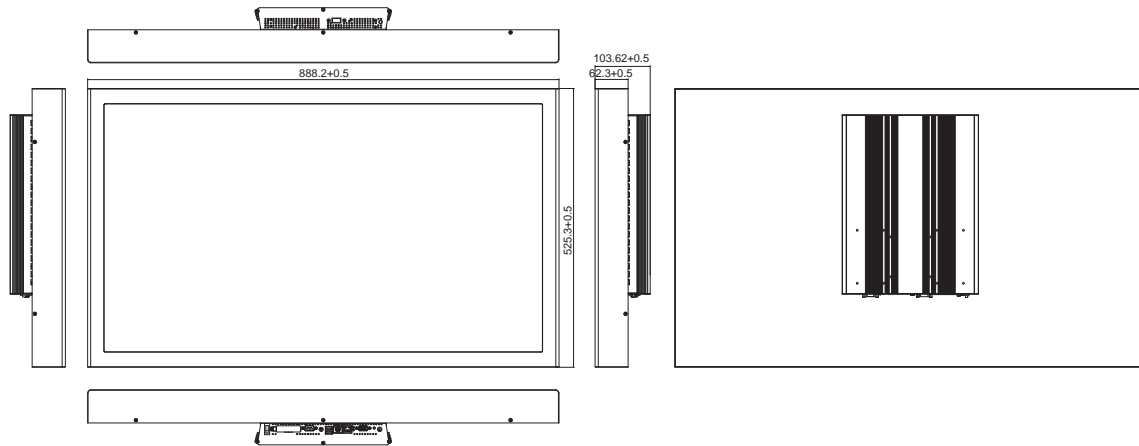### Rear I/O

- Serial port: 1 x RS232/422/485
- Ethernet: 2 x RJ45
- VGA: 1 x DB-15
- Audio port: Line out
- USB: 2 x USB 2.0

Audio

- AC97 codec: Realtek ALC 655 supports 5.1CH Audio
- Audio interface
  Connector: Line out

Dimension Drawing

888.2+0.5

103.62+0.5
62.3+0.5

525.3+0.5

Ethernet

- LAN chip: Dual Realtek RTL8111C Gigabit LAN
- Ethernet interface: 10/100/1000 Base-Tx Fast Ethernet compatible

Mechanical & Environment

- Color: Front & Rear panel Black
- Mounting: Wall/Stand/VESA 75mm x 75mm or 100mm x 100mm
- Vibration:
  Vibration Protection with Commercial SATA HDD only IEC 68 2-64 @ SINE condition
  2 Grms @ sine, 5Hz to 500 Hz, 10 ct./min, 1hr/axis
  Vibration Protection with Commercial SATA HDD only IEC 68 2-64 @ Random condition (by QAC, burn-in test w/ LAN working)
  0.3 Grms @ sine, 5 to 500 Hz, 10 ct./min, 1hr/axis
- Shock:
  IEC 68 2-27
  CompactFlash®: 50 G @ wall mount, half sine, 11 ms
  HDD: 30 G @ wall mount, half sine, 16 ms
- Power input: 100Vdc to 250 Vdc/ 47Hz to 63Hz
- Power output: +12 Vdc / 7A (80W)
- Operating temperature: 32 to 104°F (0 to 40°C)
- Storage temperature: -4 to 167°F (-20 to 75°C)
- Operating humidity: 5% to 90% relative humidity, non-condensing
- Dimensions: TBD (around 950mm x 580mm x 95mm)
- Weight: TBD

Ordering Information

- **MPPC 3710**
  37" TFT Panel PC with Intel® Atom™ N270 1.6 GHz