

# Transportation Panel PC

## BYTEM-103-PC

Intel® Atom™ E3845 Quad-Core Processor-based 10.4" Projected Touch Panel PC

### Features

- For railway application
- EN50155 certified
- High performance, low power consumption
- 24V DC (default) power input, optional 48V DC, 72V DC & 110V DC
- IP65-rated front panel IP65 and IP54 for whole unit
- Projected capacitive touch

### System

<b>Processor</b>	Intel® Atom™ E3845 (Quad-Core @ 1.91 GHz)
<b>System Memory</b>	2x DDR3L SO-DIMM, up to 8GB, Default DDR3L 4GB(4GBx1)

### External I/O

<b>USB</b>	1x USB 3.0 flag type, blue color 1x USB 2.0 type A flag type
<b>Serial/Parallel</b>	1x D-SUB9 RS-232/422/485 COM1
<b>Audio</b>	None
<b>Graphics</b>	1x DP port
<b>LAN</b>	2x Gigabit LAN (RJ45) 1x M12 D code 4-pin connector for 10/100 LAN
<b>Digital I/O</b>	None
<b>KB/MS</b>	None
<b>Membrane Control</b>	4 key OSD keypad for Brightness up/down and Screen on/off/power button
<b>Power</b>	1x M12 4-pin power connector

### Storage Space

<b>HDD</b>	1x 2.5" SATA II HDD space easily
<b>Removable Slot</b>	None

#### Expansion

<b>Onboard Expansion Bus</b>	1x Mini PCI-E(x1) w/ USB signal [half-sized] 1x mSATA/Mini PCI-E(x1) w/ USB signal and mSATA support [Full-sized]
<b>Expansion Slot</b>	None

#### Display

<b>Display Type</b>	10.4" TFT-LCD
<b>Max. Resolution</b>	1024 x 768
<b>Max. Color</b>	16.2M
<b>Luminance</b>	500 cd/m <sup>2</sup>
<b>View Angle (H/V)</b>	176° /176°
<b>Contrast</b>	1000:1
<b>Backlight Lifetime</b>	50000 hrs

#### Touch Screen

<b>Type</b>	Projected capacitive touch
<b>Interface</b>	USB
<b>Light Transmission</b>	85 %

#### Power

<b>Power Input</b>	24V DC (default) input Optional 48V DC, 72V DC & 110V DC
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#### Mechanical

<b>Construction</b>	Aluminum front bezel and back cover
<b>IP Rating</b>	IP65 for front bezel / Others with IP40, not including I/O cover/ IP54 for all with I/O cover
<b>Mounting</b>	VESA 75x75/100x100 mm
<b>Dimensions</b>	275mm x 238.5mm x 78.5mm 10.83" x 9.39" x 3.09"
<b>Net Weight</b>	4.3kgs (9.5lbs)

#### Environment

<b>Operating Temperature</b>	0°C~ 50°C (32°F~122°F)
<b>Storage Temperature</b>	-20°C~60°C (-4°F~140°F)

<b>Storage Humidity</b>	10%~90% (non-condensing)
<b>Certification</b>	CE/FCC Class B EN50155
<b>Operating System Support</b>	Windows 8 32/64bit, Windows 7 Pro for Embedded 64bit, WES7 64bit