

# Transportation Panel PC

## BYTEM-123-PC

Intel® Atom™ E3845 Quad-Core Processor-based Optical Bonding 12.1" Projected Touch Panel PC

### Features

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

### 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 1x 4-pin M12 A-code connector USB 2.0
<b>Serial/Parallel</b>	1x D-SUB9 RS-232/422/485 COM1
<b>Audio</b>	2x speaker
<b>Graphics</b>	1x DP port
<b>LAN</b>	2x Gigabit LAN (RJ45) 2x 4-pin M12 D-code connector 10/100 M LAN
<b>Digital I/O</b>	None
<b>KB/MS</b>	None
<b>Membrane Control</b>	1x Power/Brightness+/Brightness-/Volume+/Volume- Power LED/HDD LED
<b>Power</b>	1x M12 4-pin power input connector

### Storage Space

<b>HDD</b>	1x 2.5" SATA II HDD space, easy accessible
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<b>Removable Slot</b>	None
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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>	12.1" TFT-LCD
<b>Max. Resolution</b>	1024 x 768
<b>Max. Color</b>	16.7M
<b>Luminance</b>	350 cd/m <sup>2</sup>
<b>View Angle (H/V)</b>	170°/170°
<b>Contrast</b>	800:1
<b>Backlight Lifetime</b>	30000 hrs

Touch Screen

<b>Type</b>	Projected capacitive touch
<b>Interface</b>	USB
<b>Light Transmission</b>	90 %

Power

<b>Power Input</b>	24V (default) DC input Optinal 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/ IP54 for whole unit with I/O cover
<b>Mounting</b>	VESA 75x75 mm
<b>Dimensions</b>	329.6mm x 261mm x 73mm 12.98" x 10.28" x 2.87"
<b>Net Weight</b>	3.6kgs (7.94lbs)

Environment

<b>Operating Temperature</b>	-25°C~40°C (-13°F~104°F)
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<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