

# BYTEM-123-PC

EN50155 Certified Intel® Atom™ Processor E3845 Quad-Core  
12.1" Transportation Projected Touch Panel PC

## Transportation Series 12"

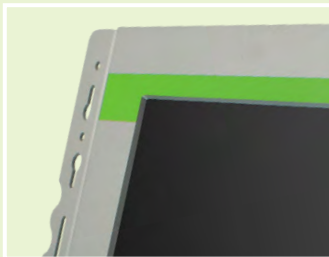


### I/O View



### Features

- EN50155 certified
- Optical bonding
- Front bezel IP65 and full IP54 protection



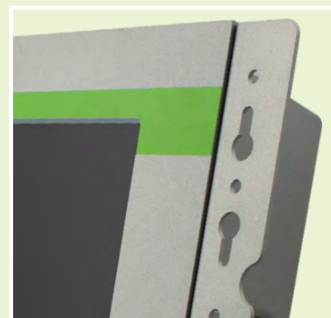
- 24V DC power input with M12 connector, 48V DC, 72V DC or 110V DC as options
- Two M12 LAN ports and one M12 USB port



- Movable and programmable membrane keypad



- Additional rack mount kit



01 Vertical Applications Panel PC

02 Stainless Steel Panel PC

03 All-in-one Panel PC with Riser Card Expansion

04 Compact Panel PC

05 Heavy-duty Industrial Panel PC

06 ARM-Based Panel PC

07 ARM-Based HMI

# BYTEM-123-PC

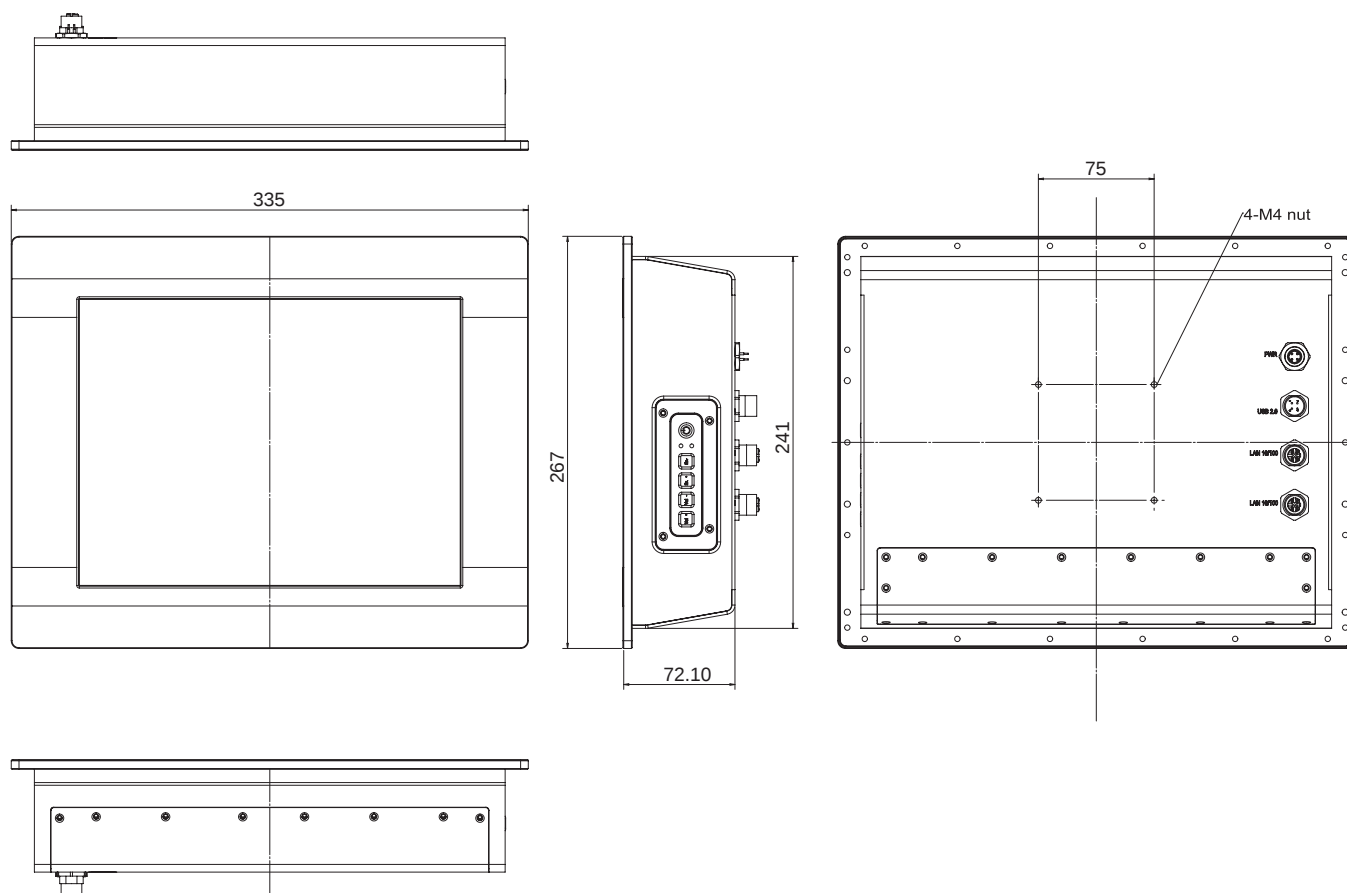
## Specifications

| Model No.              |                                      | BYTEM-123-PC                                                                                             |
|------------------------|--------------------------------------|----------------------------------------------------------------------------------------------------------|
| Display & Touch Screen | Display Size                         | 12.1" TFT-LCD                                                                                            |
|                        | Max. Resolution                      | 1024 x 768                                                                                               |
|                        | Luminance (cd/m <sup>2</sup> )       | 350                                                                                                      |
|                        | Contrast                             | 800:1                                                                                                    |
|                        | Max. Color                           | 16.7M                                                                                                    |
|                        | View Angle (H°/V°)                   | 170/170                                                                                                  |
|                        | Backlight Lifetime(hrs)              | 30000                                                                                                    |
|                        | Touch Type                           | Projected capacitive                                                                                     |
|                        | Touch Interface                      | USB                                                                                                      |
|                        | Light Transmission (%)               | 90                                                                                                       |
|                        | Point of touch                       | 2                                                                                                        |
| I/O Interface          | USB 3.0                              | 1                                                                                                        |
|                        | USB 2.0                              | 1x Type A and 1x M12 connector                                                                           |
|                        | RS-232/422/485 Selectable under BIOS | 1                                                                                                        |
|                        | RS-232                               | 0                                                                                                        |
|                        | LAN                                  | 2x GbE<br>2x 10/100 LAN with M12 connector                                                               |
|                        | Additional Graphics                  | DP                                                                                                       |
|                        | Audio                                | None                                                                                                     |
|                        | Digital I/O                          | None                                                                                                     |
|                        | Power Connector                      | 4-pin M12 connector                                                                                      |
|                        | Power Button                         | Reset button                                                                                             |
| Mechanical             | Dimensions (mm)                      | 335 x 267 x 72.1                                                                                         |
|                        | Net Weight (kgs)                     | 3.6                                                                                                      |
| System                 | Processor                            | Intel® Atom™ Processor E3845 (Quad-Core @ 1.91GHz)                                                       |
|                        | Memory                               | 2x DDR3L SO-DIMM, up to 8GB, default DDR3L 4GB(4GBx1)                                                    |
|                        | Thermal Design                       | Fanless                                                                                                  |
|                        | Membrane Control                     | Brightness up/down and Volume up/down/power button                                                       |
|                        | Built-in Speaker/MIC                 | 2x Speaker                                                                                               |
| Expansion              | Internal Expansion Bus               | 1x mPCIe(x1) w/ USB signal [half-size]<br>1x mSATA/mPCIe(x1) w/ USB signal and mSATA support [full-size] |
|                        | Expansion Slot                       | None                                                                                                     |
|                        | Wireless                             | Optional Wi-Fi/BT                                                                                        |
| Storage Space          | HDD                                  | 1x 2.5" SATA                                                                                             |
|                        | Removable                            | None                                                                                                     |
| Power                  | Power Input Range                    | 24V DC (default) power input, Optional 48V DC, 72V DC & 110V DC                                          |
| Construction           | Chassis Material                     | Aluminum front bezel and back cover                                                                      |
|                        | Color (Front/Back)                   | Silver/Silver                                                                                            |
|                        | IP Rating                            | IP65 front bezel/ IP54 for whole unit with I/O cover                                                     |
|                        | Mounting                             | Wall mount and VESA 75x75 mm                                                                             |
| Environmental          | Operating Temperature                | -25°C ~ 55°C                                                                                             |
|                        | Storage Temperature                  | -30°C ~ 70°C                                                                                             |
|                        | Storage Humidity                     | 10%~90% (non-condensing)                                                                                 |
|                        | Certification                        | CE/FCC Class B<br>EN50155-T1                                                                             |
|                        | Supported Operating Systems          | Windows 8 32/64 bit, Windows 7 Pro for Embedded 64 bit, WES7 64 bit                                      |

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## Dimensions

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## Ordering Information

|                          |                                                                                                                                                         |
|--------------------------|---------------------------------------------------------------------------------------------------------------------------------------------------------|
| BYTEM-123-PC             | 12.1" (1024 x 768) Panel PC with IB897, Intel® Atom™ Processor E3845 1.91GHz, 4GB DDR3L SO-DIMM, 64G SSD, projected capacitive touch, w/o power adaptor |
| Power adaptor (optional) | AC 100V~240V input, 24V DC output 90W power adaptor, IBASE P/N: A005PS090W0100600P                                                                      |