

# TPS-121C

Compact Panel Computer  
based on Mobile Intel® Celeron ULV Processor



## Features

- 12.1" XVGA Bright TFT Touchscreen
- Low power, high performance cold running system
- All-aluminum sealed
- Waterproof conforming IP-65 standard
- No ventilation holes
- 0-90° Viewing angle adjustment
- Industrial-Strength 24x7 Hard Drive



# TPS-121C

## Technical Specifications

### Processor

**Type:** Mobile Intel® ULV Celeron® (32Bit)  
**Speed:** 600 MHz<sup>1</sup>

### Mainboard

**Chipset:** Intel® 852GM + 82801DB  
**Video:** Dual View support (VGA/LCD)  
**LAN:** Intel® Pro100/LAN 82562ET  
**Sound:** AC-97 3D Surround 5.1 Channel

### Memory

**RAM:** 128MB-1GB DDR SoDIMM (DDR266)  
**Video:** Shared Memory up to 32MB

### Display

**Display Technology:** XVGA TFT  
**Touch Technology:** Resistive Type, 4-Wire  
**Screen Size:** 12.1" <sup>2</sup>  
**Native Resolution:** 1024x768 (Color 18Bit)

### Inputs and Outputs

**Network:** 1 x RJ-45 10/100Base-TX  
**USB Ports:** 3 x 2.0 Compliant  
**Serial Ports:** 2/4/6 x UART (RS-232/RS-485)  
**VGA:** 1 x D-Sub 15 Pin connector  
**Audio:** 2 x Line In/Out Stereo Jack (3.5 mm)  
**PS/2:** 1 x Keyboard and 1 x Mouse  
**Power On/Off:** 1 x Illuminated Push Button  
**DC-in:** 1 x Mini-Din Power

### Storage

**HDD:** 2.5" Enhanced reliability 24x7 EIDE up to 160 GB  
**Compact Flash:** Type I/II up to 4GB  
**Disk On Module (DOM):** IDE 40 Pin Type up to 4GB

### Power

**Power requirements:** 18-30 VDC, 21 Watt  
**Connector:** Mini-Din Power  
**Vehicle Protection:** Circuitry to protect against transient and spikes

### Software

**Operating System:** Microsoft® Windows® XP, 2000, 2003, WePOS, CE 5.0 Embedded, Linux solutions provided upon request

### Optional Accessories

Wall mount (VESA 75 Standard)  
Serial adapter cable (RJ48-DB9)

### Optional Features

Integrated iButton/1-Wire Reader (Button/Pen)  
Touchscreen with 5-wire technology  
Wireless 802.11b/g  
Bluetooth  
Mini-PCI

### Future Features

CAN Interface  
Multi-function GPIOs  
Embedded loudspeaker and microphone  
Embedded Infrared Motion Sensor

### User Environment

**Operating Temperature:** 0°C to 50°C  
**Storage Temperature:** -25°C to 70°C  
**Humidity:** 5% to 80% (noncondensing)

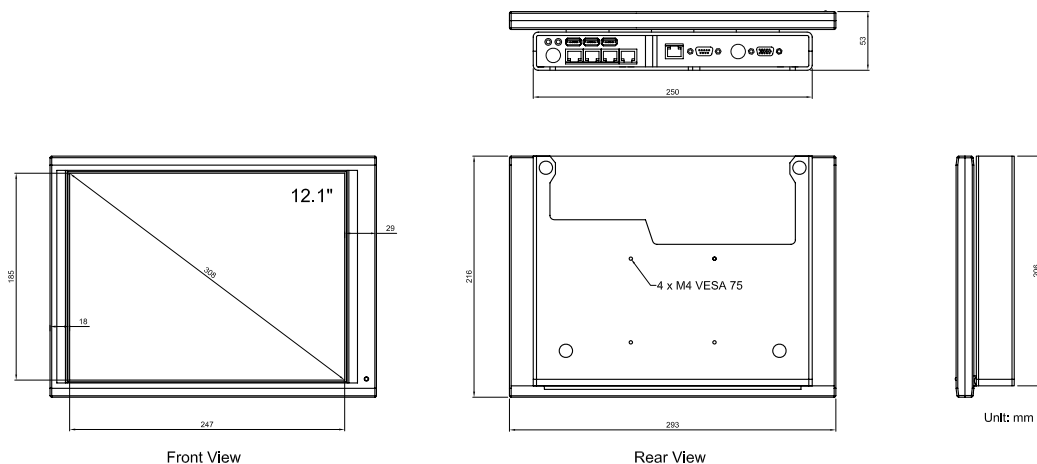
### Physical Characteristics

**Dimensions:** 285(H) x 235(W) x 55(D) mm  
**Weight:** 5.9 lbs/2.7 kg (typical)  
**Color:** Silver and Black

### Service and Warranty Information

**Limited Warranty:** 1 Year Limited Warranty<sup>3</sup>  
**Telephone Support:** 1 Year Technical Assistance  
**Email Support:** support@contendosystems.com

1. MHz denotes microprocessor internal clock speed; other factors may affect application performance.
2. Viewable area measured diagonally.
3. See actual limited warranty for details. For a copy of the warranty, please visit [www.contendosystems.com](http://www.contendosystems.com).



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