

# APPC 3154

15" TFT XGA 4:3 Flush Panel PC with Intel® Celeron® J1900, up to 2.0GHz,  
Touch Screen, 4GB DDR3L, 3 x USB, 2 x COM



## Main Features

- ◆ 4:3 15" XGA fanless LED panel computer
- ◆ Intel® Celeron® J1900, Quad Core, low consumption CPU
- ◆ Flush panel by 5-wire touch screen
- ◆ Dual GbE/2nd display-VGA/Line-out
- ◆ 3 x USB/2 x mini-PCIe sockets/2 x RS232/422/485
- ◆ DDR3L 4GB/2.5" HDD bracket
- ◆ IP65 compliant front panel
- ◆ Mounting support: panel/wall/stand/VESA 100mm x 100mm
- ◆ Wide range power input 12V~30VDC

## Product Overview

The 15" fanless panel PC APCC 3154 incorporating an industrial motherboard is intended for versatile industrial applications. The panel PC has a touch screen LED backlight LCD panel with 1024 x 768 (XGA) resolution and 350-nit brightness. The front panel which adopts flush design and complies with IP65 standard makes it the perfect fit in industrial applications.

## Specifications

### Panel

- ◆ LCD size: 15", 4:3
- ◆ Resolution: XGA 1024 x 768
- ◆ Luminance: 350cd/m<sup>2</sup>
- ◆ Contrast ratio: 800
- ◆ LCD color: 16.2M
- ◆ Viewing angle: 70 (U), 80 (D), 80 (L), 80 (R)
- ◆ Backlight: LED

### Touch Screen

- ◆ 5-Wire resistive (flush panel type)
- ◆ Light transmission: 80%
- ◆ Interface: USB

### System

- ◆ CPU: on-board Intel® Celeron® Quad Core processor J1900, up to 2.0GHz, 2M L2 cache
- ◆ BIOS: AMI BIOS
- ◆ System memory: 2 x 204-pin DDR3L SO-DIMM socket, 4GB DDR3L (default), support up to 8GB DDR3L-1066/1333, non-ECC and unbuffered
- ◆ Storage device
  - 1 x Hard drive bay: optional 1 x 2.5" SATA HDD or 1 x SATA DOM

- ◆ Watchdog timer: Watchdog timeout can be programmable by software from 1 second to 255 seconds and from 1 minute to 255 minutes (tolerance 15% under room temperature 25°C)
- ◆ H/W status monitor: monitoring system temperature, and voltage
- ◆ Expansion: 2 x mini-PCIe sockets (support optional Wi-Fi, 3.5G module)

### Rear I/O

- ◆ Ethernet: 2 x RJ45
- ◆ 2nd display VGA port: 1 x DB15
- ◆ Audio port: 1 x Line-out
- ◆ USB: 2 x USB 2.0, 1 x USB 3.0
- ◆ Power switch
- ◆ Reset button
- ◆ 2-Pin remote power on/off switch
- ◆ COM #1: RS232/422/485
- ◆ COM #2: RS232/422/485

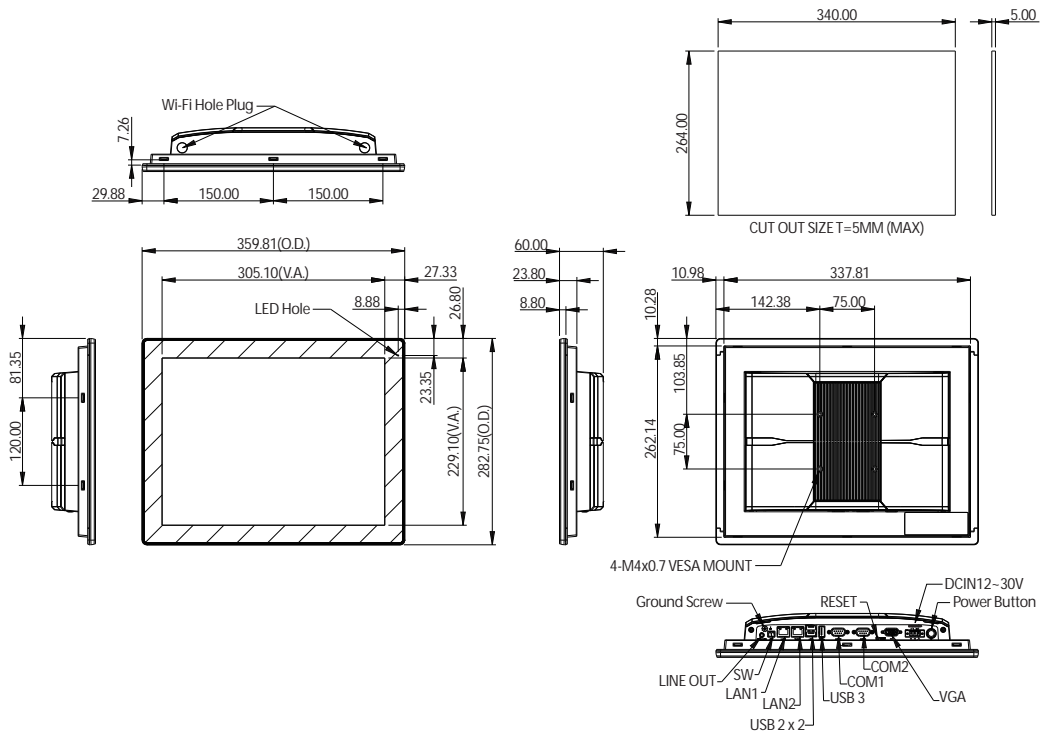
### Audio

- ◆ HD audio codec: realtek ALC886-GR
- ◆ Audio interface: Line-out

### Ethernet

- ◆ LAN chip: dual Intel® I210-AT Gigabit LAN
- ◆ Ethernet interface: 10/100/1000 Base-Tx Ethernet compatible

## Dimension Drawing



### Mechanical & Environment

- Color: Plastic housing black\Pantone black front touch\RAL 15 00 hairline rear bezel and repair cover
- IP protection: IP65 front
- Mounting: panel/wall/stand/VESA 100mm x 100mm
- Power
  - Power input: 12V~30VDC
  - Power adapter: optional AC to DC power adapter (+12V, 60W)
- Vibration
  - IEC 68 2-64 (w/HDD)
  - 1Grms @ sine, 5~500Hz, 1hr/axis (HDD operating)
  - 2.2Grms @ random condition, 5~500Hz, 0.5hr/axis (non-operating)
- Shock
  - IEC 68 2-27
  - HDD: 20G@wall mount, half sine, 11ms
- Temperature
  - Operating temperature: 0°C~50°C
  - Storage temperature: -20°C~75°C
- Operating humidity: 10%~90% relative humidity, non-condensing limits to be at 90% RH at max 50°C
- Dimension: 359.8 x 282.7 x 60mm
- Weight: 3.3 kg

### Certifications

- CE approval
- FCC Class A

### OS Support Lists

- Windows 10 64-bit
- Windows 8 32-bit/64-bit
- Windows 7 32-bit/64-bit
- WinCE 7.0

## Ordering Information

### Barebone

- **APPC 3154 (P/N: 79IA315401X00)**  
15" XGA LED backlight touch panel PC, Intel® Celeron® J1900 up to 2.0GHz, touch screen, 4GB DDR3L, 2 x RS232/422/485

### Options

- **12V, 60W AC/DC power adapter w/o power cord (P/N: 7400060031X00)**