



## Characteristic

- ◆ 19" TFT LED panel
- ◆ 10-point capacitive touch screen
- ◆ Optional Intel® Celeron® or Core processor
- ◆ Aluminum alloy shell, compact fanless design
- ◆ Front panel protection class IP65
- ◆ Supports full-size Mini PCIe expansion
- ◆ Supports USB 3.0
- ◆ Support for Windows Embedded and LINUX
- ◆ Support VESA 75

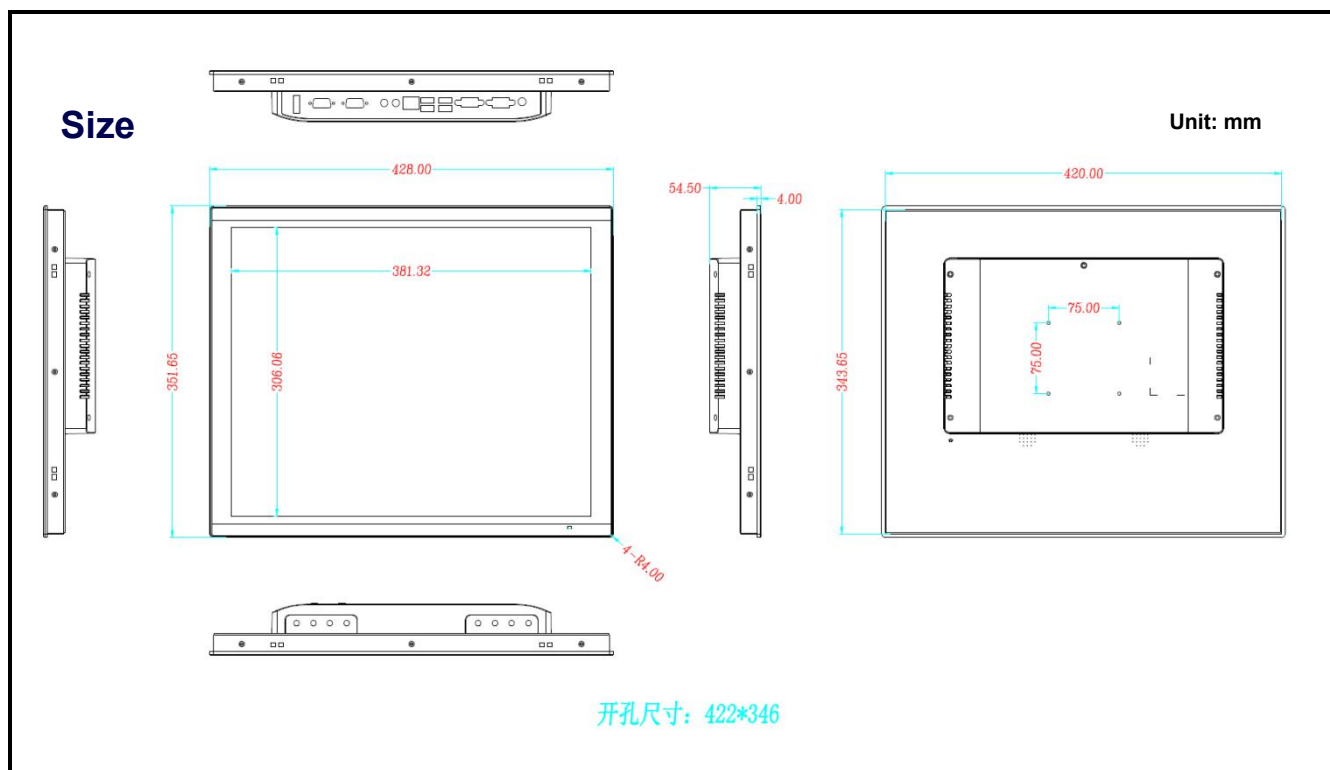
## Overview

This product is a cost-effective LCD industrial panel computer, which can choose Intel® Celeron® or Core processor, and the compact embedded system can provide high-performance computing. High durability design, front panel protection level IP65, high temperature five-wire resistive touch screen, supports multiple interfaces to meet various industrial applications.

## Specification

<b>Processor</b>	CPU	Intel® Celeron® J1900
	Frequency	2.00GHz
	L2 cache	2MB
	Memory	1 x SO-DIMM, DDR3L 1333, Maximum support 8 GB
	Storage	1 x 2.5" SATA Bay, 1 x mSATA Bay
	Network (LAN)	1 x 10/100/1000 Mbps Ethernet
	I/O Interface	3 x RS232
	Expand	1 x Full-size Mini PCIe slot
	watchdog timer	255 levels
<b>Physical properties</b>	Size	428 x 351.65 x 54.5 mm
	Weight	5.4 Kg
<b>OS</b>	Operating system	Windows 7 32bit&64bit / Windows 8.1 32bit&64bit Windows 10 32bit&64bit/WES7/Linux
<b>Power consumption</b>	Input voltage	12 Vdc
	Power consumption	23W
<b>LCD display</b>	Display type	19" TFT LCD (LED Backlight)
	Resolution	1280 x 1024
	angle of view	80 (left), 80 (right), 60 (top), 60 (bottom)
	brightness(cd/m2)	250
	contrast	1000
	Backlight life	30,000 hour (Min.)
<b>Touch screen</b>	Type	10-point projected capacitive touch screen
	Transmittance	86±5% at 550 nm wavelength
	controller	USB interface
	Durability (number of touches)	Capacitive touch screen 200 million times
<b>Environment</b>	Operating temperature	0 ~ 50°C with SSD 0 ~ 40°C with HDD
	Storage temperature	-20 ~ 60°C
	Relative humidity	10 ~ 95% @ 40°C (non-condensing)
	EMC	CCC
	Safety	CCC
	Front panel protection	IP65 standard

## A10 PA-190TPC-CE6A

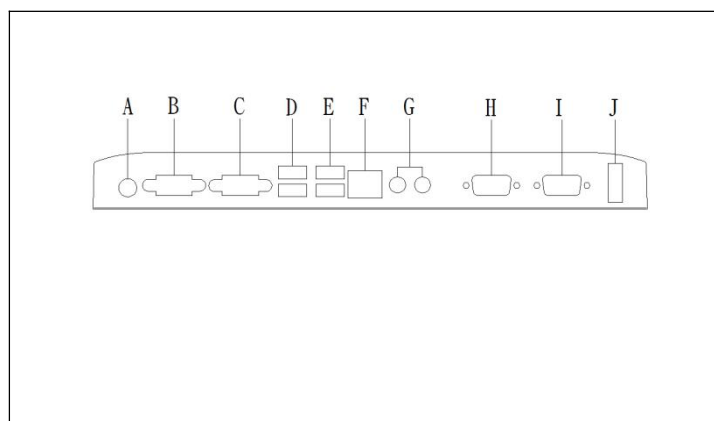


## Ordering Information

Parts No	Description
A10 PA-190TPC-CE6A (19)	Intel Celeron J1900
A10 PA-190TPC-CE6A (64)	Intel Celeron J6412
A10 PA-190TPC-CE6A (I3)	Intel Core i3 CPU (optional 3/4/6 generation/or higher)
A10 PA-190TPC-CE6A (I5)	Intel Core i5 CPU (optional 3/4/6 generation/or higher)
A10 PA-190TPC-CE6A (I7)	Intel Core i7 CPU (optional 3/4/6 generation/or higher)
A10 PA-ARM-1	VESA standard wall mount bracket
A10 PA-ACW-1	WIFI module with antenna
A10 PA-ACW-2	Full Netcom 4G data communication module with antenna

\*For other configurations, please contact the business specialist for consultation!

## J1900 I/O Interface



- |                             |                 |
|-----------------------------|-----------------|
| A. DC-In (12V)              | F. RJ45 LAN     |
| B. VGA                      | G. AUDIO        |
| C. COM1(RS-232)             | H. COM2(RS-232) |
| D. 1 x USB 2.0, 1 x USB 3.0 | I. COM3(RS-232) |
| E. 2 x USB 2.0              | J. POWER_SW .   |

\*There may be differences in other configuration I/O interfaces, please contact the business specialist for confirmation!