



## Open Frame Touch Screen PC CCETouch CT19-OPCR

<b>Category:</b>	Industrial Panel PC Computers
<b>Manufacturer:</b>	CCETouch
<b>Supported OS:</b>	Microsoft Windows: XP/Vista/7/8/8.1; Linux
<b>Installed OS:</b>	-----
<b>Screen size:</b>	19"
<b>Resolution:</b>	1280 x1024
<b>Aspect ratio:</b>	4:3
<b>Brightness:</b>	250 cd/m2
<b>Touchscreen:</b>	Resistive Type 5-Wire
<b>CPU Support:</b>	Intel® Celeron™ J1900 (4 x 2.0 GHz)
<b>Installed CPU:</b>	Intel® Celeron™ J1900 (4 x 2.0 GHz)
<b>Graphic Card:</b>	Intel® HD 2500
<b>Storage (HDD) Support:</b>	32 - 512 GB SSD / 320 - 1TB HDD
<b>Installed Storage (HDD):</b>	32 GB S-ATA SSD
<b>Memory Support:</b>	up to 8GB DDR3 Max. 1333/1066 SODIMM
<b>Installed Memory:</b>	2 GB DDR3
<b>IP Norm:</b>	-----
<b>IP Level (front panel):</b>	-----

<b>IP Level (back panel):</b>	-----
<b>Temp:</b>	0°C ~ 60°C
<b>Storage Temp:</b>	-15°C ~ 70°C
<b>Humidity:</b>	5%~ 95%
<b>Anti-shock:</b>	-----
<b>Anti-vibration:</b>	-----
<b>RFID scanner (reader):</b>	-----
<b>Others:</b>	-----
<b>LAN:</b>	Realtek RTL RTL8105E, 1x10/100/1000Mbit RJ45 Ports
<b>Wireless LAN card:</b>	Yes
<b>3G:</b>	-----
<b>Bluetooth:</b>	-----
<b>GPS:</b>	-----
<b>Ports - rear panel:</b>	1 x VGA1 x HDMI 2 x USB 2.01 x USB 3.02 x RJ-45 LAN3 x RS-232 COM1 x RS-485 COM1 x DC-in1 x MIC1 x Audio1 x WIFI antenna
<b>Ports - front panel:</b>	-----
<b>Ports - left panel:</b>	-----
<b>Ports - right panel:</b>	-----
<b>Expansion:</b>	-----
<b>Power:</b>	12 V
<b>Power Consumption:</b>	32 W
<b>Watch Dog Timer:</b>	-----
<b>Mounting VESA:</b>	Panel, Wall, Rack, Stand and Arm VESA 100mm x 100mm
<b>Folding Bracket (for office type working):</b>	No (optional)
<b>Chipset:</b>	Intel® NM70 Mobile Chipset
<b>CD/DVD Drive:</b>	-----
<b>Audio:</b>	Realtek ALC662, 6 Channel High Definition Audio Codec 2x 2W loudspeaker
<b>TV Tuner:</b>	-----

<b>Backlight MTBF:</b>	LED/40,000 h
<b>Contrast Ratio:</b>	1000:1
<b>Dual display:</b>	Yes
<b>Viewing Angle:</b>	160;150
<b>Touch Life(contacts):</b>	>35.000.000 times
<b>Surface hardness (display):</b>	3H
<b>Color Resolution:</b>	16,7 mln
<b>Response time touch-panel (ms):</b>	10
<b>Housing material:</b>	Aluminum
<b>Dimensions:</b>	435 x 345 x 60 mm
<b>Fanless:</b>	Yes
<b>Weight:</b>	7.5 kg

**Product from the Archive - production finished**

## Panel PC Open Frame



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**Open Frame Touch Screen PC**  
**CCETouch CT19-OPCR**

(June 2014) Industrial panel PCs **CCETouch** company are a new distribution segment on Mobilator.pl. CCETouch company has achieved an excellent reputation as a manufacturer of industrial touch panel computers. Due to the high position of products in the segment of high-tech has won the confidence of many customers around the world.



## Open Frame Touch Screen PC

Fanless Industrial Panel PC computers OPEN FRAME are used in environments where you need a quick and hassle-free access to the network or data. They are ideal for applications that require quiet operation. Small but robust Panel PC using the heat-pipe technology and aluminum fins for passive cooling.

[go top...](#)



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**CPU:** Intel® Celeron™ J1900 (4 x 2.0 GHz)



**Memory:** 2GB RAM DDRIII SODIMM



**Disk:** 32GB SSD



**System:** Windows 8.1/8 / Windows 7 / Windows XP / Linux



**Screen:** 19" / 1280 x 1024 / 4:3 / 5 - Wire Resistive



**Expansion cards:** none

Detailed specification of the configuration available in the "Technical data"

Using the latest technology (industrial fanless) Panel PC is designed for continuous multitasking operating with low power consumption (**32W**). An important advantage is the effective combination of small size with considerable opportunities, through the use of **Intel® Celeron** processor family, Intel chipsets and **DDR3** memory. Integrated Intel®HD 2500 video graphics card and audio Realtek ALC662 allow you to play a wide range of applications and media files (video, audio). Disks offer free space from **32GB** SSD to 512GB SSD (**320GB** to 1TB HDD option).

#### Dimensions:

Housing dimension are 415 (W) x 345 (L) x 60 (H) mm. Housing is made of high quality aluminum what ensures a very high resistance to mechanical damages. This model with weight of only **7.5 kg** is ready at any time for operation even in extreme conditions such as heat, cold, vibration.



[go top...](#)





## Communication:

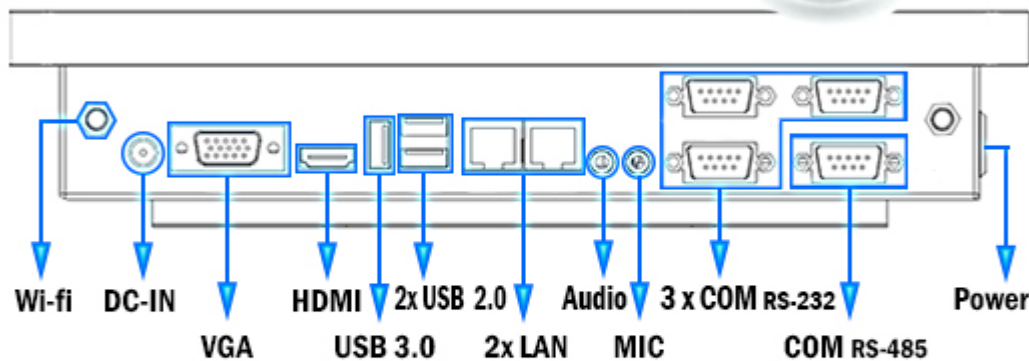
Open Frame Touch Screen PC CCETouch CT19-OPCR standard has a system of wireless Wi-Fi communication. Optionally in other models are available also modules such as 3G and GPS.



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## Connector:

The integrated network card **Intel RTL8111G 10/100/1000 Mbps LAN 2xRJ-45, WIFI** allows you to connect the device to the network. The computer is equipped with: two **LAN** connector, three ports **COM (RS232)**, one port **COM (RS485)**, one **VGA**, one **HDMI** output, two **USB 2.0** ports, one **USB 3.0** port, one **audio** input, one input **MIC**, connector **DC-in**.



# Dual Display





Open Frame Panel PC CCETouch CT19-OPCR has adapted to building 19 "LCD screen with 3H hardness. With 1280 x 1024 resolution and high brightness of 250 cd/m2, resistive screen type" 5 wire resistive "with high sensitivity to touch, offers the user a clear picture and ease of use .



### Resistive screen

A resistive touchscreen comprises of several layers, out of which the flexible plastic and glass layers are two important electrically resistive layers. The front surface of resistive touchscreen panel is a scratch-resistant plastic with coating of a conductive material (mostly Indium Tin Oxide, ITO), printed underside. The second important layer is either made of glass or hard plastic and is also coated with ITO. Both the layers face each other and are separated with a thin gap in between. An electrical resistance is created between both the layers in such a way that charge runs from top to bottom in one layer and side-to-side in another. When a finger or stylus tip presses down on the outer surface, both the ITO films meet. It is the measure of the resistance of both the layers at point of contact, which leads to get an accurate measurement of the touch position. The accuracy also relies on the evenness of the coating of ITO on both the layers.

