

# OPC 16:9 Series Open Frame PC

## 7inch~32inch Open Frame Panel PC with Intel Chipset



### Key Features

- ◆ 7" ~32" TFT LCD display with LED backlight
- ◆ Open Frame Chassis
- ◆ Fanless design with Intel® Processor N-series
- ◆ PCAP Touch
- ◆ 350nits Brightness, Upgradable to 1200nits
- ◆ Rich Expansion: 3G/4G, WIFI, Blooth, RS232/RS422/RS485, GPIO Options

## System Parameters

Processor&Chipset	Onboard Intel® Low TDP Series
Memory	1 x DDR3 /DDR4 SO-DIMM socket, 2GB/4GB/8GB/16GB
Storage	1 x 2.5" SATA 500GB/1TB/2TB 1 x Msata 16GB/32GB/64GB/128GB/256GB
Cooling System	Fanless design
BIOS	AMI 16MB DPI Flash
Watchdog Timer	255 level, 0~255 sec
LAN	1 x Realtek RT8111E, 10/100/1000M, Support PXE, Wake on Lan
Audio	Realtek ACL662 Audio controller, Line-out, Mic-in.
Expansion Port	2 x MINI PCI-E full slot, 1 x SIM
OS	Linux/ Win dows XP/7/8/10

## Expansion Function

GPIO	Optional
3G/4G	Optional
WIFI/BT	Optional(802.11 a/b/g/n, Bluetooth 4.0)
RS422/485	Optional
Speaker	Optional

## Degree of protection

Front Panel IP65	Default
Whole IP65	Optional

## Display Parameters

LCD Size	7"~32" TFT (LED Backlight)
Resolution	800*480/1024*600/1920*1080
Brightness	350cd/m <sup>2</sup> (1200cd/m <sup>2</sup> optional)
Aspect ratio	16:9
Life Time	50,000hrs
Contrast Radio	(1000:1)
Response Time	10ms

Viewing Angle	89/89(U/D), 89/89(L/R)
Color Resolution	16.7M

## Touch Screen Parameters

Touch Type	PCA-P Touch
Surface Hardness	6H>(Capacitive Touch)
Touch Validity:	>1,000,000
Resolution	4096*4096
Life Time	50,000hrs
Transparent Rate	>85%

## IO Interface

COM	2x COM(Default RS232, 6 maximum)
RS422/485	Optional (1x RS485/422)
USB	4 x USB2.0
LAN	1 x RJ45, 10/100/1000M (2LAN Optional)
Audio	Line-out, Mic-in
VGA	1x
HD MI	1x

## Power Supply

Power Supply	12V Power Input
Power Consumption	<85W
Wide Voltage	Optional (DC 6~36V Wide Voltage, IPTS )

## Installation

VESA	75mm*75mm/100mm*100mm/200mm*200mm
Embedded	Cabinet Hole Size:

## Environments

Operating Temp	-10°C~50°C
Storage Temp	-30°C~70°C
Relative Humidity	5~95%@10°C (Non-condensing)
Vibration	5~500Hz,1.5G,0.15mm peak value
Shake	1.5 Grms, IEC 60068-2-64, 5 ~ 500 Hz, 1 hr/axis
Shock	10 Grams, IEC 60068-2-64, Half sine wave,for 11 ms
EMC	CE/FCC Class A

## Enclosure

Housing Material	Aluminum Chassis with fanless design
Dimensions	545 mm (W) x 335 mm (D) x 73mm (H)
Net Weight	4KG~8KG