



Key Features

- 21.5" Intel Core i7/i5 Fanless Industrial Panel PC
- Intel 5th gen. Broadwell Core i3/i5/i7 CPU
- 21.5" LCD 16:9 Full HD 1920 x 1080 250nits
- Full flat resistive/P-cap touch with front IP66 design
- Front Panel mount housing
- CE, FCC, VCCI Class B passed
- Optional Mini-PCIe WLAN with external antenna



Main System

CPU	FCBGA1168 5th generation Intel® Core i7/i5/i3 processor (15W max.)
Chipset	SoC
VGA	Intel® integrated HD Graphics 5500 by CPU
Memory	Two 1600 MHz DDR3L SODIMM socket support dual Channel, non-ECC, up to 16GB

LCD Panel

Size	21.5" 16:9
Brightness	250 nits
Resolution	Full HD (1920 x 1080)
Color numbers	16.7 M colors
Viewing angle	R/L 170(Typ.), U/D 160(Typ)
Contrast	1000:1

Touch Panel

Technology	5-wire resistive touch (default)	Projected capacitive touch (option)
Type	Front full flat touch panel	Front full flat 4 point touch panel
Transparency	80±5%	90% ± 3%
Hardness	4H	7H
Durability	Knock 35 million times	Knock 100 million times

* OS support (Multi point) : Win 7 pro, Win 8, Win 8.1 industrial, Win10

Storage & Expansion

HDD	2.5" SATA HDD drive bay x 1 + anti-vibration kit, 500 GB
Expansion slot	Mini PCIe x 2 (52 pin card-edge type)

Ordering Information

WLP-7D20-21 BKFT (i5)	R-Touch	Core i5-5200U / 4G RAM / 500G HDD
WLP-7D20-21 BKPT (i5)	P-cap Touch	Core i5-5200U / 4G RAM / 500G HDD

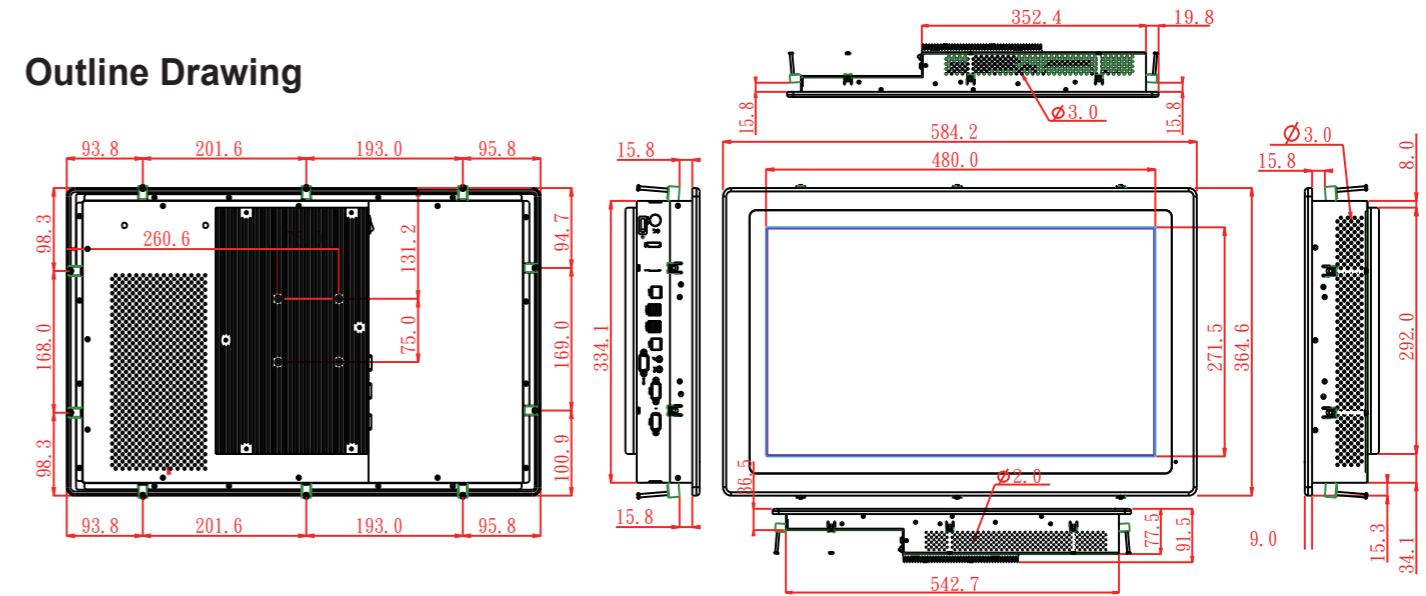
I/O & Power & Control Keys

USB	USB 3.0 x 2, USB 2.0 x 2
COM	DB-9 x 3 {RS232 x 2, RS232/422/485 x 1 (Set by BIOS, RS485 auto flow)}
LAN	RJ-45 x 2 , Gigabit
Audio	Line-out, Microphone-in (3.5 mm phone-jack)
Video output	DP x 2
Power input	DC-in x 1, 7V~32V
Power adaptor	External, 100 watts, universal 100 ~240V AC in, 12V DC out, 8.33A
Power consumption	52.8 watts (MAX. Loading without adaptor)
Control keys	Rear bottom: Power on/off, reset

Mechanical & Environmental

Housing	Front bezel is Aluminum, others are SECC
IP rating	Front IP66
Cooling	Fanless
Dimension	584.2 x 364.6 x 91.5 mm (W x H x D, panel mount)
Weight (net)	10 Kg (approximate, w/o power adaptor)
Temperature	· Operating: 0°C~50°C (w/ air flow) / 0°C~40°C (no air flow) · Storage: -20°C~60°C
Humidity	Operating & storage – 10%~90%, non-condensing
Regulatory	FCC-B, CE (EMC), VCCI

Outline Drawing

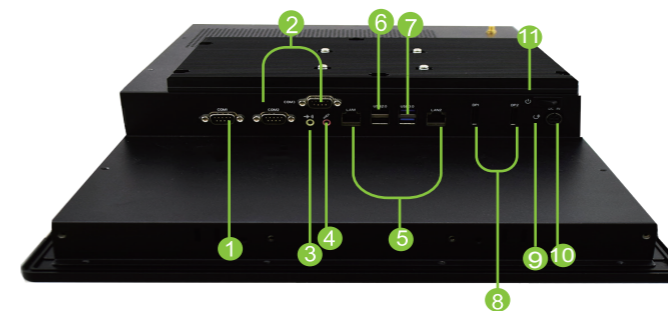


Options

Wireless or Wireless and BT kit (2 Dipole ant)
2.5" SSD
DC input power plug (black, 1.22m length)
Stainless front bezel
Change full flat resistive touch to P-cap touch (BKPT)
Sliver front bezel
mSATA module
Chassis type housing

Customization

Open frame housing
Storage door Solution
Sunlight readable optical bonding
LCD Auto dimming
LCD Super dimming (Low brightness)
TPM



- ① RS232/422/485
- ② RS232 x 2
- ③ Line out
- ④ Microphone-in
- ⑤ LAN x 2
- ⑥ USB 2.0 x 2
- ⑦ USB 3.0 x 2
- ⑧ DP x 2
- ⑨ Reset
- ⑩ DC-in
- ⑪ Power on/off

