

WLP-7A20-19V CKPT

19" Core i Fanless Projective Capacitive Multi-touch Industrial Panel PC



Key Features



- Projective Capacitive multi-touch and front IP66 chassis mount
- Fanless industrial panel PC with reliable thermal design
- Intel 3rd Generation (Ivy Bridge) Core i7/ i5 /i3 CPU
- 19" 1280x1024 350 nits LCD with LED backlight
- Two mini PCIe sockets for WLAN & other add-on expansions
- Robust metal chassis housing and HDD anti-vibration design
- Flexible customization for specific application requests
- WE8/8.1S and WE8/8.1 Industry ready

Main System

CPU	FCBGA1023 3rd Generation Intel® Core i7/i5/i3/ Celeron® processor (17W max.)
Chipset	Intel® BD82HM65 PCH
Graphics	• Intel Core i7-3517U /Core i5-3317U /Core i3-3217U: Intel HD Graphics HD 3000 • Celeron 847E: Intel HD Graphics
Memory	8GB maximum, x 2 DDR3 SODIMM, 1066/1333MHz, 2GB/4GB/8GB
Serial ATA	SATA 3, 600 MB/s transfer rate x 2
USB	x 7 (socket), USB 2.0 (external x 4 , internal x 3)
COM	x 6 (external x 2, internal x 4)
Audio	Realtek ALC262 audio codec, 2+2 watts amplifier
LAN	Marvell 88E8071 Gigabit Ethernet x 2
BIOS	• AMI BIOS, 4M byte • RTC wake up / Wake on LAN / Power on after power failure / PnP / ACPI

Storage

HDD	2.5" SATA HDD drive bay x 1 + anti-vibration kit, 320GB / 500GB
Expansion slot	Mini PCIe x 2 (52 pin card-edge type)

I/O & Control Keys

USB	USB 2.0 x 4
COM	DB-9 x 3 (RS232 x 2, RS232/422/485 < auto flow control>)
LAN	RJ-45 x 2 ,Gigabit
Audio	Line-out, Microphone-in (3.5 mm phone-jack)
Vedio-out	DVI-I x 1
Power input	DC-in x 1, 12V~28V
Control keys	• Rear bottom: Power on/off, reset • Brightness adjustment through Wincomm's SW utility
LED indicator	Front: Green – power on / Amber – HDD accessing

Power

Power adaptor	External, 80 watts, 90~264V AC in, 12V DC out, 1.2m DC cable
Power consumption	65 watts (typical, without any add-ons)

LCD Panel

Size	19" 5:4
Resolution (pixel)	SXGA 1280 x 1024
Brightness (cd/m2)	350 nit
Contrast	1000:1
Number of Colors	16.7M (6-bit x 3 + FRC)
View Angle (H/V)	170 (H) / 160 (V)
Response time	5 ms (R + F)
Backlight /life time	LED, 50,000 hours life time

Touch Panel

Technology	Projective Capacitive
Light transmittance	90±3%
Hardness	7H
Touch stylus	Finger or P-Cap touch pen (4 point)
Resolution	25ppi
Lifetime	100 million activations

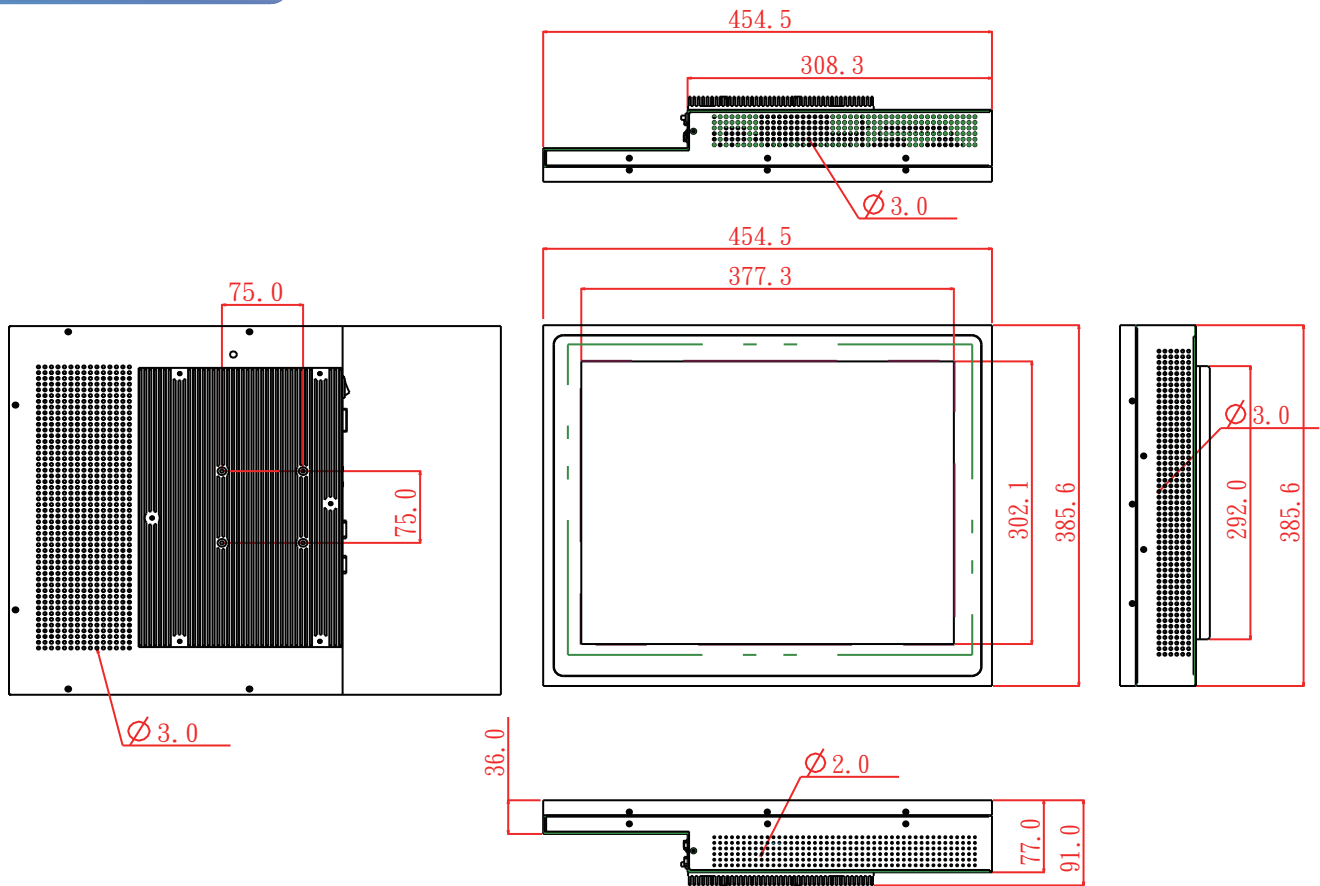
Mechanical & Environmental

Housing	• Standard: chassis
Housing materials	• SECC metal housing (black color)
IP rating	IP66 – front side
Cooling	Fanless with internal heat sink / pipe & external aluminum fin plate VESA 75 x 75 / 100 x 100 mm
Mounting Dimension	495.5 x 384.7 x 90 mm (W x H x D)
Weight (net)	9.0 Kg (approximate, w/o power adaptor)
Temperature	• Operating - 0°C~50°C (air flow) - 0°C~40°C (no air flow) • Storage – -20°C~60°C
Humidity	Operating & storage – 10%~90%, non-condensing
Regulatory	FCC-A, CE(EMC), VCCI, UL

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Outline Dimension



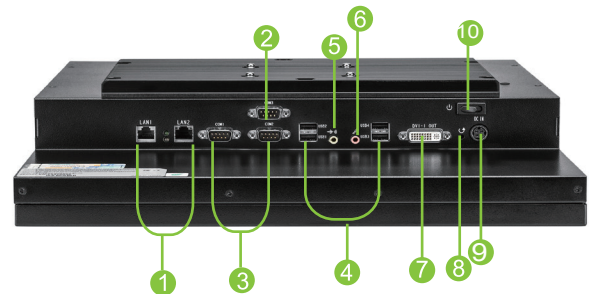
Packaging / Options / Customization

Packaging System, power adaptor, AC power cord, DVD (drivers & manual)

Options

- . WLAN – 802.11 a/b/g/n mini PCIe module w/ external antenna x 2
- . 802.11a/b/g/n dual-band 2T2R with Bluetooth
- . SSD for Win7 only

I/O Connectors



- | | |
|-----------------|-----------------|
| ① LAN x 2 | ⑥ Microphone-in |
| ② RS232/422/485 | ⑦ DVI-I |
| ③ RS232 x 2 | ⑧ Reset |
| ④ USB x 4 | ⑨ DC-in |
| ⑤ Line out | ⑩ Power on/off |



Ordering Information

- CPU: Core i5 1.7G (default) / Core i7 1.9G / Celeron 1.1G
- Memory: 2G / 4G / 8G
- WLAN: None / x 1
- HDD: 320G / 500G
- SSD: None / x 1
- WLAN + Bluetooth: None / x 1