

WLP-7A20-21V CKPT

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



Key Features



- Projective Capacitive multi-touch (4 point) with front IP69K
- Fanless industrial panel PC with reliable thermal design
- Intel 3rd Generation (Ivy Bridge) Core i7/ i5 /i3 CPU
- 21" 1920 x 1080 250 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
- Avoid condensation between LCD and touch screen
- Clean AP/API (PCT) software design
- 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	Two 1066/1333 MHz DDR3 SODIMM socket support dual Channel, non-ECC, up to 8GB
Serial ATA	SATA 3, 600 MB/s transfer rate x 2
USB	External USB 2.0 x 4 (Type A) Internal 3.3V Socket x 3 (For Webcam & Blue tooth)
COM	RS232,422,485 x 1, RS232 x 5
Audio	Realtek ALC262 audio codec, 2+2 watts amplifier
LAN	Marvell 88E8071 Gigabit Ethernet x 2
WDT	Generates system reset; 256 segments, 0, 1, 2...255 sec/min
BIOS	• AMI BIOS, 4M byte • Support RTC wakeup /Wake on LAN /Power on after power failure/PnP/ACPI/RTC

Storage

HDD	2.5" SATA HDD drive bay x 1 + anti-vibration kit, 320GB / 500GB
Expansion slot	52 pin card-edge type compatible to PCI Express*Base specification 2.0 x 2

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)
Video-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	AC input 90 ~ 264V / 47 ~ 63 Hz / DC output 12V
Power consumption	65 watts (typical, without any add-ons)

LCD Panel

Size	21.5" 16:9
Resolution (pixel)	1920 x 1080 (Full HD)
Brightness (cd/m2)	250 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 (Typ)
Backlight /life time	LED, 30,000 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

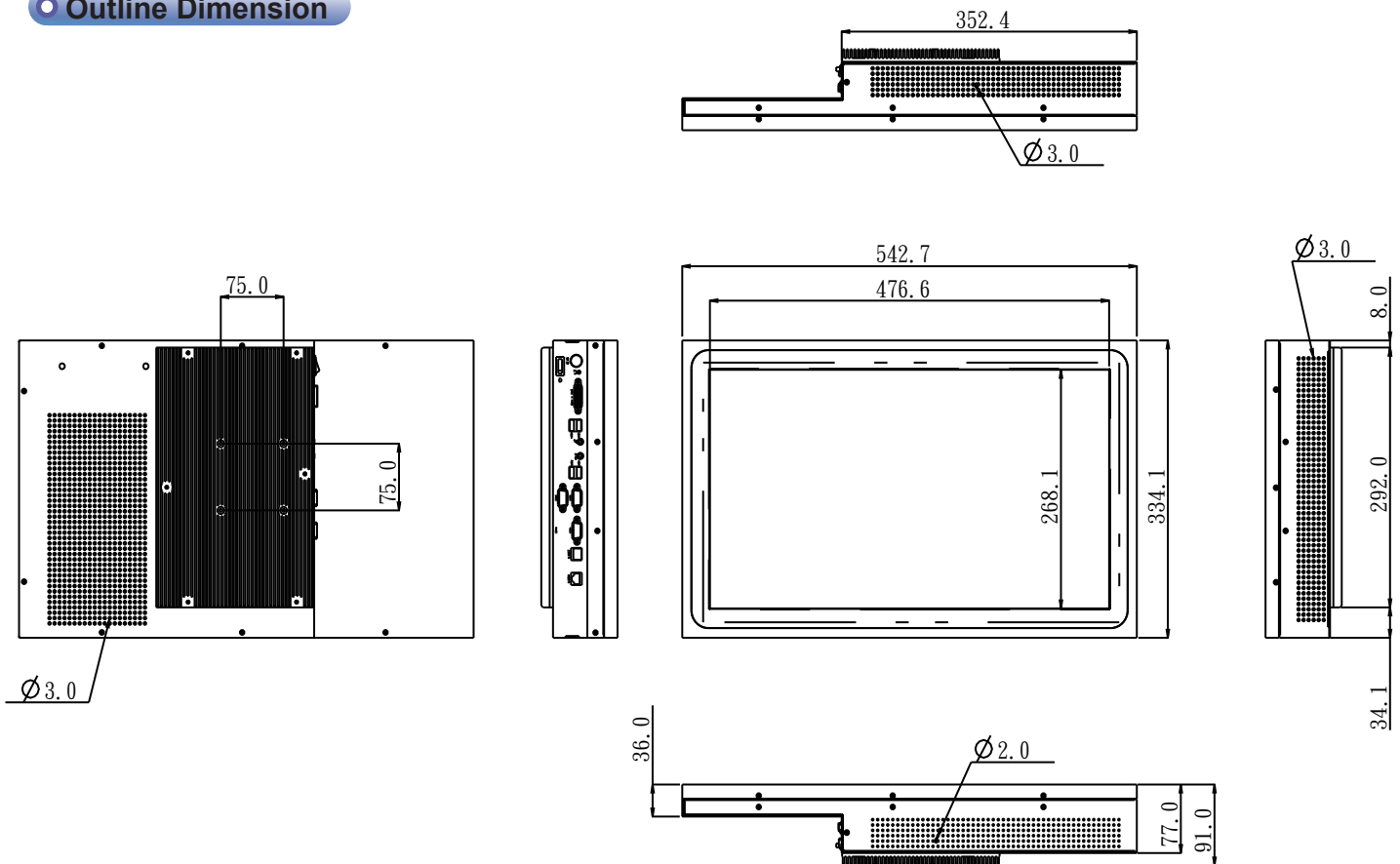
Mechanical & Environmental

Housing	• Standard: chassis
Housing materials	• SECC metal housing (black color)
IP rating	IP69K – front side
Cooling	Fanless with internal heat sink / pipe & external aluminum fin plate VESA 75 x 75 / 100 x 100 mm
Mounting Dimension	542.7 x 334.1 x 91 mm (W x H x D)
Weight (net)	9.8 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

WLP-7A20-21V CKPT

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

Outline Dimension



Packaging / Options / Customization

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

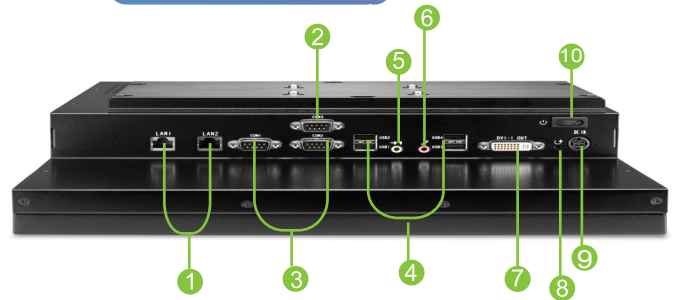
Options

- 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

Customization

- TPM module

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



Web: www.wincomm.com.tw

Contact: sales_support@wincomm.com.tw

Wincomm Corporation

3F, NO. 14, Prosperity Road II, Science-Based Industrial Park,
Hsinchu, Taiwan 30078, R.O.C

Tel : +886 3 578 0000 Fax: +886 3 578 0295