GOLDEN MARGINS

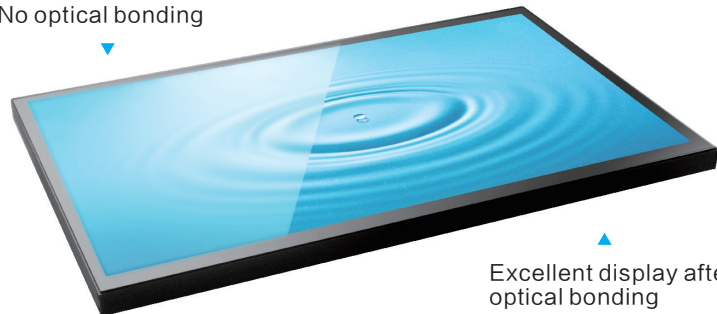J1900 | HDMI HIGH-DEFINITION MULTIMEDIA INTERFACE | 2K | 10 | LCD | FANLESS | AG coating

Touch PC

7" capacitive touch all-in-one computer adopts a fanless design, and the IP65 front baffle is suitable for harsh application environments. The whole system adopts AG （Optional) cover plate and full bonding technology at the same time. The low-power consumption J1900 makes the operation more stable. The plentiful interfaces options and the customization can be used in various fields.

Optical Bonding

Optical bonding between the touch screen and the LCD module can effectively reduce the refraction of the air, increase the light transmittance, also the display effect is more clear and transparent.

No optical bonding

Excellent display after optical bonding

Features

Intel® Atom™ E38xx/J1900 SoC (1, 2 or 4 cores), Low power 5-10W TDP
4GB on boardDDR3L 1066/1333 (up to 4G)
1x RJ45 10/100/1000 Mb/s Intel I210-AT Ethernet
1x mSATA or 1x Smartboard (1x mSATA / NGFF / SATA/;mPCIe; 8x GPIOs; 3G/4G)
2x USB 2.0(internal) and 1x USB3.0(front) and 1x2.0 (front)
4x RS232 (3 wire) or 2x RS232 (5 wire); 1x RS485
ALC662 HD Audio(Line-out，Mic-in)
DC+9V~+21V，Recommend DC+12V 5A
Operating -20°C to +75°C，-40°C to +85°C (optional)
Win7, Win8, Win10, WES7, WES8, Linux, VxWorks

01 PC System

CPU	J1900
Graphic GPU	HD Graphics
Audio	ALC662 HD Audio(Line-out，Mic-in)
Memory	4GB on boardDDR3L 1066/1333 (up to 4G)
Storage (switchable)	Industrial 128GB SSD
Driver Support	Win7, Win8, Win10, WES7, WES8, Linux, VxWorks
Pre-installed OS	Win10

02 Display Characteristics

Design	Open Frame
Diagonal	7"
Panel	LCD
Native resolution	1024(H) x600(V)
Aspect ratio	16:9
Brightness	450 cd/m²
LED Life Time	20000 Hour
Contrast Ratio (Center of screen)	800:1
Display area	154.215(W) x85.92(H)
Response Time	25ms
Viewing zone	horizontal/vertical: 85°/ 85°, right/left: 85°/ 85°, up/down: 85°/ 85°
Support Color	16.7M colors

03 Touch

Touch technology	projective capacitive
Touch points	10
Touch accuracy	±2mm
Surface Treatment	Anti-glare (chemical etching)
Touch interface	USB
Supported operating systems	win7、win10、Linux、android
Through-Glass	1.1mm
Touch scheme	ILITEK

04 Mechanical

Fanless design	yes
MTBF	20,000 Hour
Cable management system	yes
Operation temperature	- 20°C - 80°C
AngeStorage temperature range	- 30°C - 80°C

05 Power Management

Power supply unit	External
Power supply	12V DC
Output power	36W
Rated output current	5A

06 Installation Method

VESA	75mm*75mm Mounted at side

07 External Connectors

DC−In	× 1
HDMI	× 1
USB	× 2
VGA	× 1
RJ45	× 1
Com	× 3

08 Dimensions / Weight

Product dimensions W x H x D	207.8 x144.4 x 47.5mm
Box dimensions W x H x D	350 x 260 x 60mm
Weight (without box)	2kg
Weight (with box)	3kg
Product country origin	China

207.8
155.1
47.5
7.4 59 75 59 7.4
7.4
27.3
4-M4
75
129.5
27.2
7.5
144.4 86.9 105 125
1
193
170
190
1mm silicon sheet