

FULL IP65 Chassis LCD



19" Stainless Design

Specifications

Model Name	WCH1900A2-IP				
Viewable Size Image	19"				
Active Display Area(mm)	376.32 (H) x 301.06 (V)				
Pixel Pitch(mm)	0.294 (H) x 0.294 (V)				
Number of Pixels	1280x1024				
Contrast Ratio	1000:1(typ.)				
Display Color	16.7M				
Brightness(cd/m)	400(typ.)				
Viewing Angle(CR>=10)	-85~85(H);-80~80(V)(typ.)				
Synchronization Range	31.5~80.0KHz / 60~75Hz				
Horizontal/Vertical					
Recommended Resolution	1280x1024@60HZ,75HZ				
Signal Connector	15 pin D-Sub				
I/O	3 pin Power cable(IP65 connector); 10 pin VGA cable (IP65 connector); Optional 10 pin RS232 or USB cable(IP65 connector)				
Power Source	12V DC in, with External AC to DC Adapter (100~240V AC)				
Power Consumption	27W typical, normal operation				
Power Management	VESA DPMS Compliant				
Plug & Play	VESA DDC 1/2B				
Optional Touch Screen	5 wire Resistive, Capacitive				
Optional video	Yes				
Stainless Material	CNS	JIS	ASTM	AISI	DIM
	304	SUS304	S30400	304	1.4301



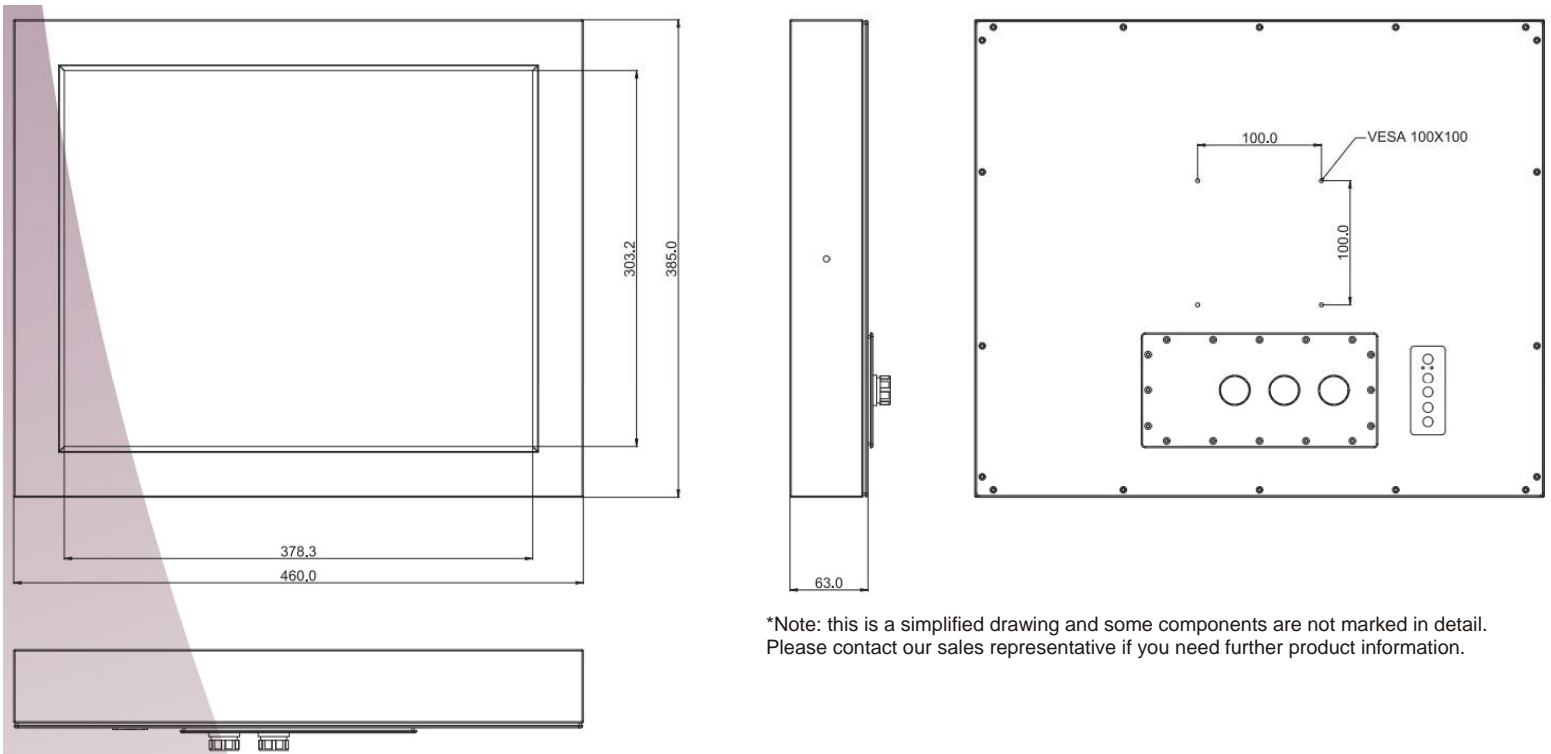
Standard:
brushed stainless



Optional:
black, high polish, vanished coating

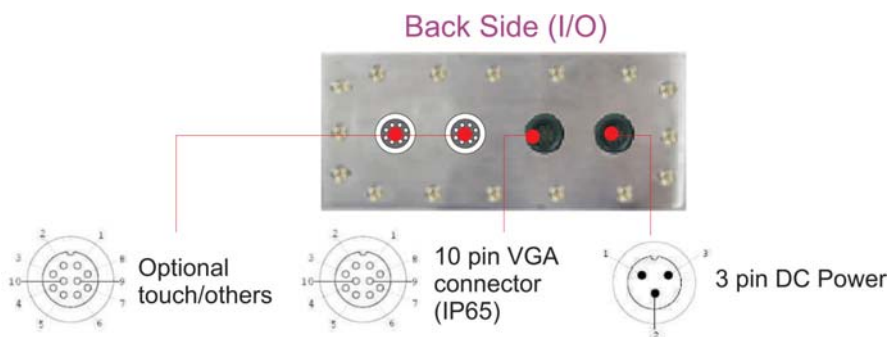
*Due to Panel material's deviation, different panel supplier will set different specific variance range to optical characteristics. The factors of time used, Lamp current, Ambient temperature will influence the optical measurements.

Mechanical Drawings:



*Note: this is a simplified drawing and some components are not marked in detail. Please contact our sales representative if you need further product information.

I/O Layout:

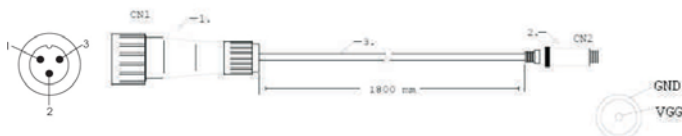


Cable list:

LCD	IP65 connector	PC side IO type
DC power	3pin	Female(2.5 fai)
USB(optional)	10pin	Male(type A)
RS232(optional)	10pin	Female(D-sub 9)
VGA	10pin	Male(D-sub 15)

IP65 Cable/Pin Define:

DC Power



Pin No.	Symbols	Color	Pin No.	Symbols	Color
CN1-1	VCC	Red	CN2	VCC	Red
CN1-3	GND	Black	CN1	GND	Black
CN1-2	Shield			Shield	

RS232



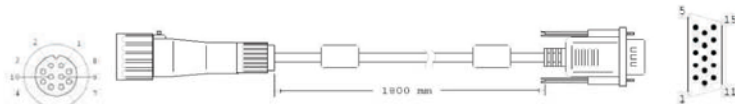
Pin No.	Symbols	Color	Pin No.	Symbols	Color
CN1-1	DCD-CON2	Green	CN2-1	DCD-CON2	Green
CN1-2	DSR-CON2	Brown	CN1-6	DSR-CON2	Brown
CN1-3	RXD-CON2	Red	CN1-2	RXD-CON2	Red
CN1-4	RTS-CON2	Orange	CN1-7	RTS-CON2	Orange
CN1-5	TXD-CON2	Blue	CN1-3	TXD-CON2	Blue
CN1-6	CTS-CON2	White	CN1-8	CTS-CON2	White
CN1-7	DTR-CON2	Purple	CN1-4	DTR-CON2	Purple
CN1-8	RI-CON2	Yellow	CN1-9	RI-CON2	Yellow
CN1-9	GND-CON2	Black	CN1-5	GND-CON2	Black
CN1-10	NC		CN1-10	NC	

USB



Pin No.	Symbols	Color	Pin No.	Symbols	Color
CN1-1	VCC	Red	CN2-1	VCC	Red
CN1-2	D-	White	CN2-2	D-	White
CN1-3	D+	Green	CN2-3	D+	Green
CN1-4	GND	Black	CN2-4	GND	Black
CN1-5	Shield				

VGA



CN1				CN2		
Pin No.	Symbols	Color		Pin No.	Symbols	Color
1	R	Red	↔	1	R	Red
2	R-GND	Black	↔	6	R-GND	Black
3	G	Green	↔	2	G	Green
4	G-GND	Black	↔	7	G-GND	Black
5	B	Blue	↔	3	B	Blue
6	B-GND	Black	↔	8	B-GND	Black
7	SDA	Yellow	↔	12	SDA	Yellow
8	HS	Orange	↔	13	HS	Orange
9	VS	White	↔	14	VS	White
10	SCL	Brown	↔	15	SCL	Brown