

# Display Viper Touch

Soluzioni TouchScreen Professionali

## Full IP65 Chassis LCD

### 15" (Stainless Design)

RoHS  
COMPLIANT  
2002/95/EC

Standard:  
brushed stainless

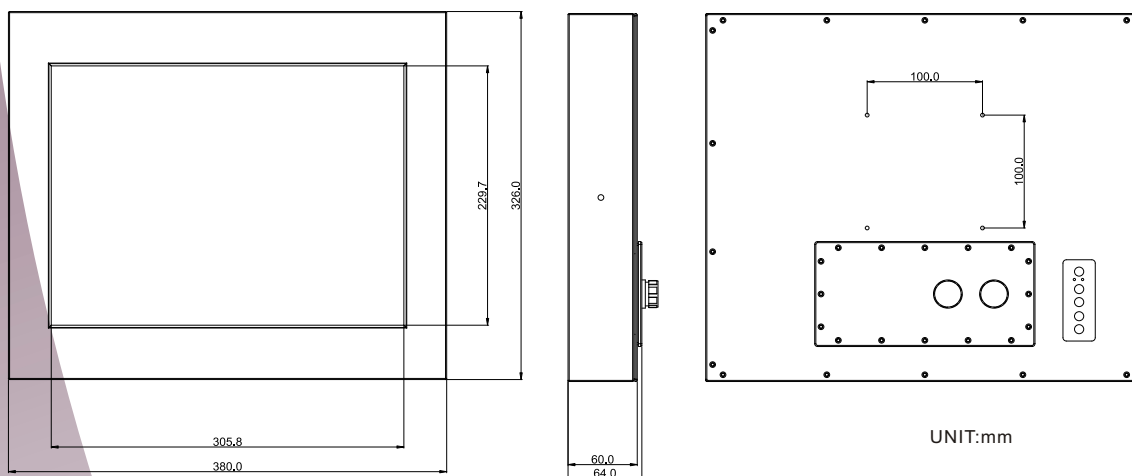


Optional:  
black, high polish, vanished coating

#### Specifications

Model Name	LCD Display 15" Full IP65
Viewable Size Image	15"
Active Display Area(mm)	304.128 (H) x 228.096 (V)
Pixel Pitch(mm)	0.297(H)x0.297(V)
Number of Pixels	1024x768
Contrast Ratio	500:1(typ.)
Display Color	16.2M(6bit+FRC)
Brightness(cd/m <sup>2</sup> )	250(typ.)
Viewing Angle(CR>=10)	-70~70(H);-60~60(V)(typ.)
Synchronization Range Horizontal/Vertical	31.5~60.0KHz/60~75Hz
Recommended Resolution	1024x768@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	DC12V
Power Consumption	25W typical, normal operation
Power Management	VESA DPMS Compliant
Plug & Play	VESA DDC 1/2B
Optional Touch Screen	Resistive,Capacitive
Optional video	Yes

#### Mechanical Drawing



Microdata Sistemi Srl

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Microdata

Sistemi

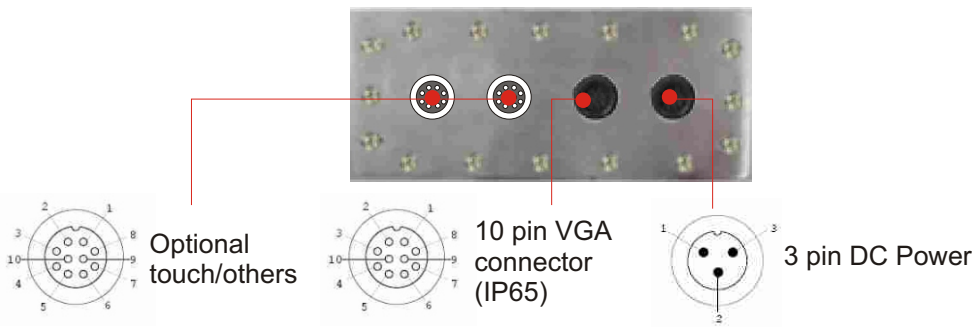
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### IO Layout

#### Back Side (I/O)

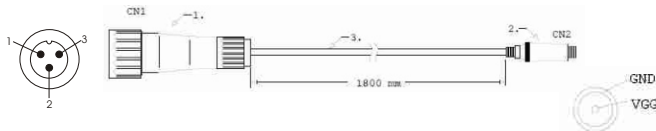


### Cable List

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)

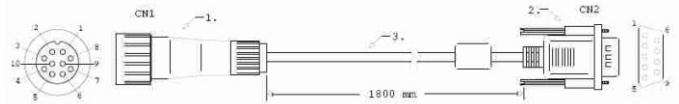
### IP65 Cable/Pin Define

#### 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



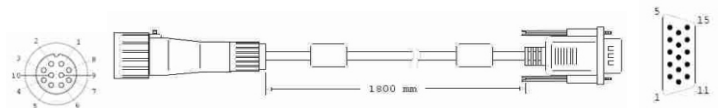
Pin No.	Symbols	Color	Pin No.	Symbols	Color
CN1-1	DCD-CON2	Green	CN2-1	DCD-CON2	Green
CN1-2	DSR-CON2	Brown	CN1-6	DSR-CON2	Brown
CN1-3	RXD-CON2	Red	CN1-2	RXD-CON2	Red
CN1-4	RTS-CON2	Orange	CN1-7	RTS-CON2	Orange
CN1-5	TXD-CON2	Blue	CN1-3	TXD-CON2	Blue
CN1-6	CTS-CON2	White	CN1-8	CTS-CON2	White
CN1-7	DTR-CON2	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	5	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