

SlimLine ES

quick install guide version 2.1

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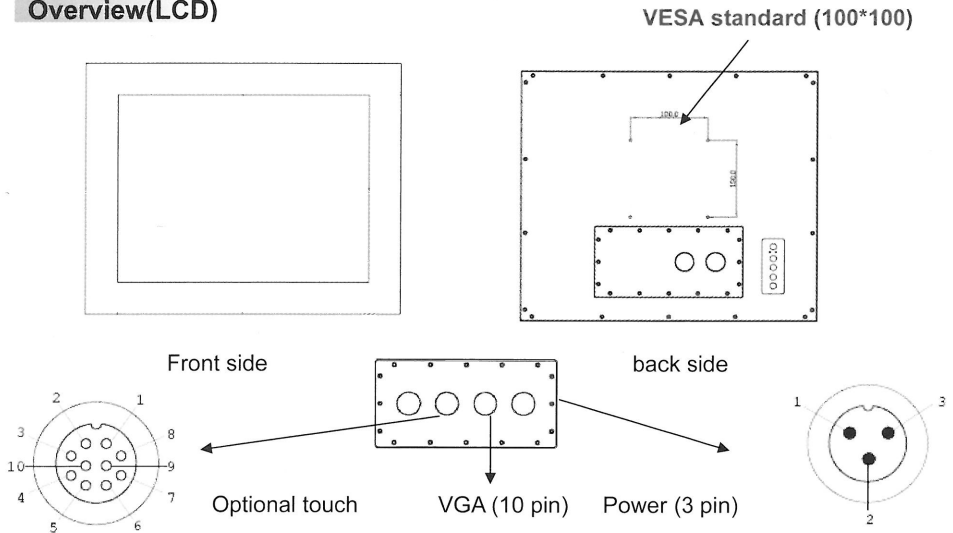
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Quick Installation Guide of Full IP65/NEMA 4X LCD

Overview(LCD)



Full IP65 MONITOR provides several IO in back side. One is power (3 pin) in the right side, others are VGA and optional touch interface (USB or RS232) in the left side. All connectors are IP65 level and fool-proofing design; it helps the end user to install correctly.

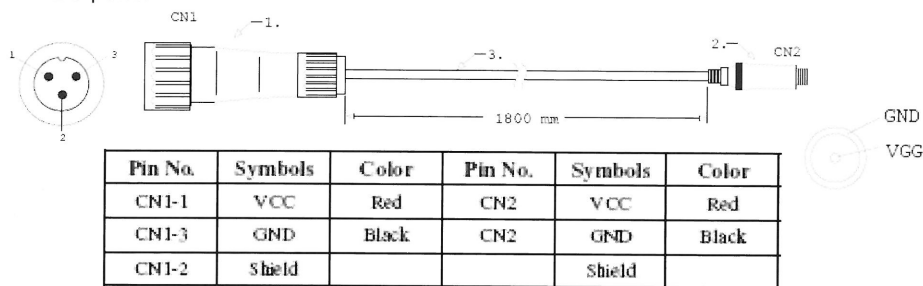
Cable List

VGA and power cable is standard, and USB/RS232 cable depends on the touch interface. All cables are 1.8 M with IP65- level connector in LCD side and standard IO in PC side.

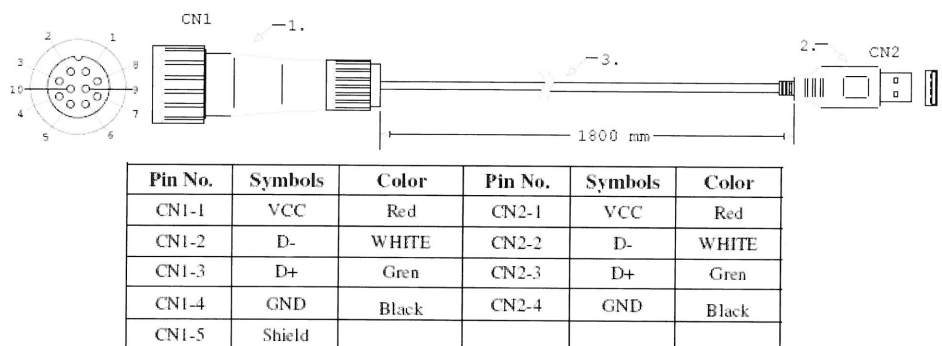
LCD	IP65 connector	PC side IO type
DC power cord	3 pin	Female (2.5 fai)
USB(optional)	10 pin	Male
RS232(optional)	10 pin	Female(D-sub 9)
VGA	10 pin	Male(D-sub 15)

Cable drawing/pine defines

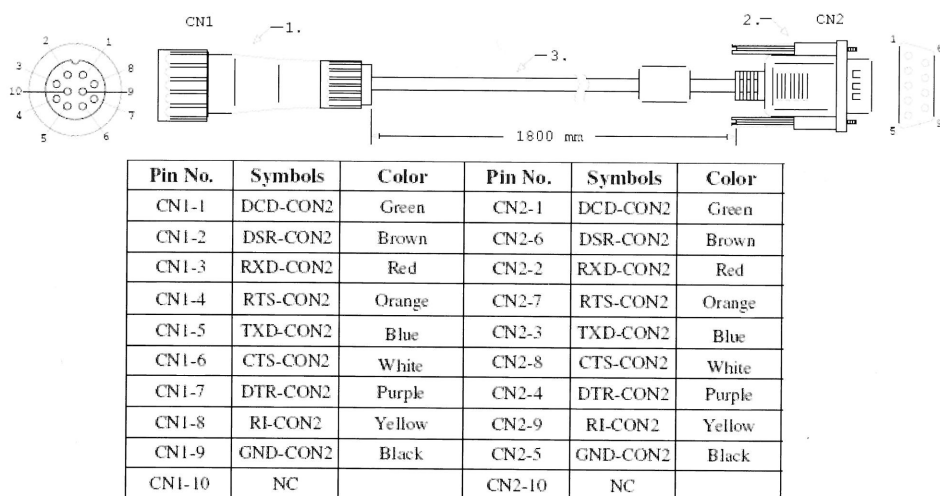
DC power



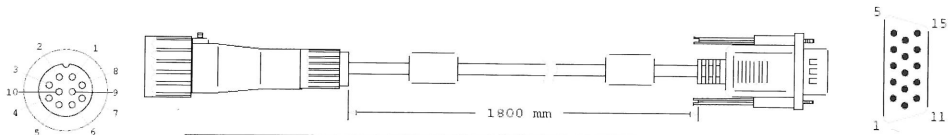
USB



RS232



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

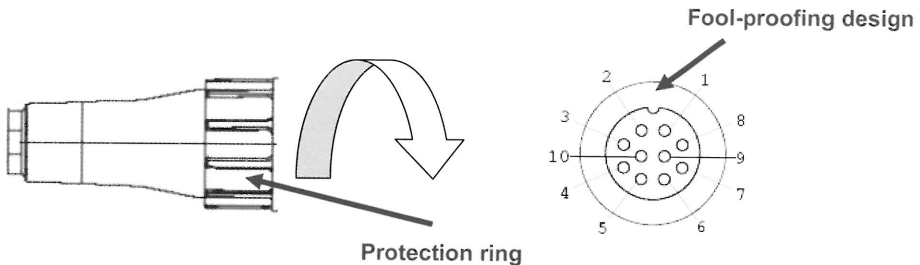
Installations

Step1. Open the covers on the connectors

All IO on the rear side of LCD is well protected with a plastic cover. Before installing the monitor, user needs to open it.

Step2. Power Cable Connection (3 pin)

The power cable is 3 pin IP65 connector design in LCD side. User need to plug in and make the cable fit the connector, then the O-ring on the cable will be squeezed as the protection ring is screwing clockwise.



Step3. VGA cable connection (only for LCD)

Connect the VGA cable to your PC. The VGA connector is 10 pin designs in LCD side, User need to plug in and make the cable fit the connector, and then the O-ring on the cable will be squeezed as the protection ring is screwing clockwise.

Step4. Touch interface (RS232/USB)

Connect touch interface to your PC, User need to plug in and make the cable fit the connector, and then the O-ring on the cable will be squeezed as the protection ring is screwing clockwise.

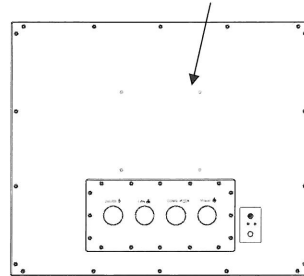
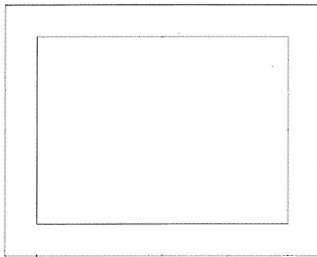
LCD Accessory list

VGA cable	1 PCS
Power cable	1 PCS
Touch cable (optional)	1 PCS
Adapter	1 PCS
Quick installation guide	1 PCS

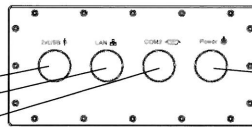
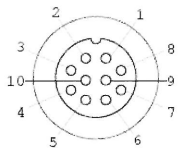
Quick Installation Guide of Full IP65/NEMA 4X PPC

Overview(PPC)

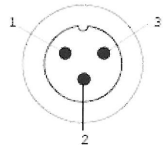
VESA standard (100*100)



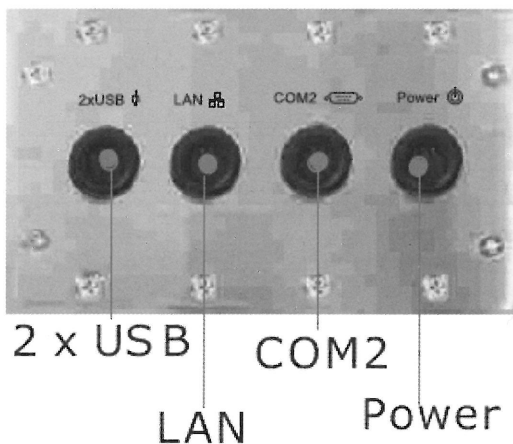
USB (2) / LAN / COM



Power

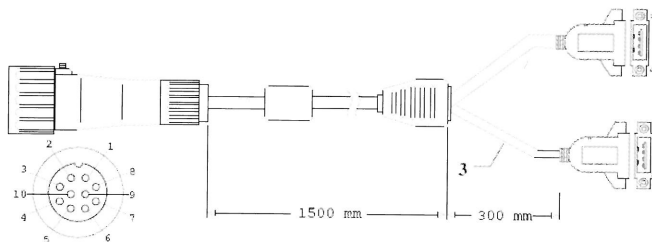


Full IP65 PPC provides Four IO. One is 2 x USB(10 pin) in the left side, LAN and COM connector in the middle, power connector in the right side. All of the connectors are IP65 level and fool-proofing design, it helps the end user to installation USB, LAN and COM cables correctly.



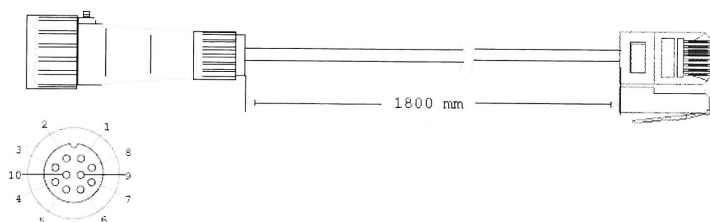
Cable drawing & Cable pin define

1. USB Cable



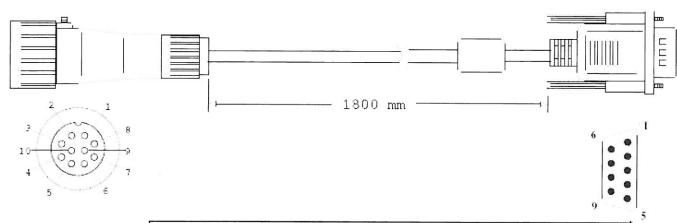
Pin Define Table					
cable type	10pin conn.		A Type Female		A Type Female
USB	Pin No.	Symbols	Pin No.	Symbols	Pin No. Symbols
	1	VCC	1	VCC	1 VCC
	3D	-	2	D-	2 D-
	5D	+	3	D+	3 D+
	7	GND	4	GND	4 GND
	9N	C			
	2	VCC			
	4D	-			
	6D	+			
	8	GND			
	10	NC			

2. LAN Cable



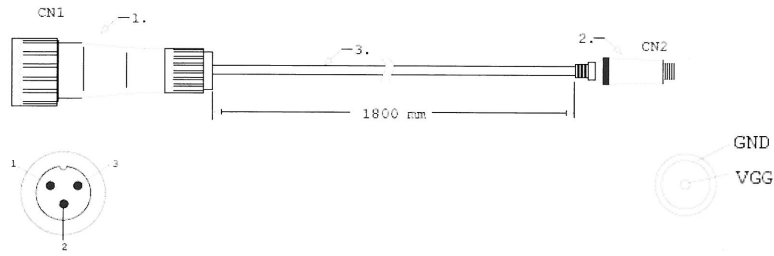
Pin Define Table					
cable type	10pin conn.		US PLUG 8P8C 3U*		
LAN	Pin No.	Symbols	Pin No.	Symbols	
	1		1		
	2		2		
	3		3		
	4		4		
	5		5		
	6		6		
	7		7		
	8		8		
	9	NC	9	NC	
	10	NC	10	NC	

3. RS-232 Cable



Pin Define Table					
cable type	10pin conn.			D-Sub 9Pin	
	Pin No.	Symbols		Pin No.	Symbols
RS232	1	DCD-CON2	↔	1	DCD-CON2
	2	DSR-CON2	↔	6	DSR-CON2
	3	RXD-CON2	↔	2	RXD-CON2
	4	RTS-CON2	↔	7	RTS-CON2
	5	TXD-CON2	↔	3	TXD-CON2
	6	CTS-CON2	↔	8	CTS-CON2
	7	DTR-CON2	↔	4	DTR-CON2
	8	RI-CON2	↔	9	RI-CON2
	9	GND-CON2	↔	5	GND-CON2
	10	NC	↔	10	NC

4. Power Cable



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

The Full-IP65 solution provides water proof and anti-dust cables: RS-232 cable, USB Cable, LAN cable and power cable. The water proof part of power cable is 1.8 meter long with IP-65 connector; the other side is normal cable with standard IO such as: RS232/USB/LAN and DC power jack. If you lost any one please contact with your supplier.

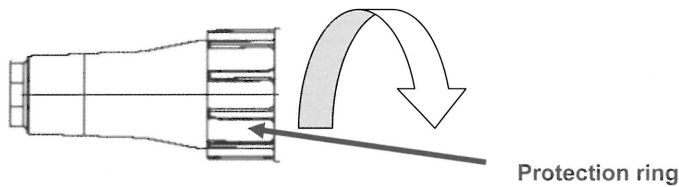
Installations

Step1. Open the covers on the connectors

All IO on the rear side of PPC is well protected with a plastic cover. Before installing the PPC, user needs to open it.

Step2. Power Cable Connection (3 pin)

The power cable is 3 pin IP65 connector design in PPC side. User need to plug in and make the cable fit the connector, then the O-ring on the cable will be squeezed as the protection ring is screwing clockwise.



Step3. USB/COM/LAN cable connection (10 pin)

Connect the USB/COM/LAN cable to your PC. The USB/COM/LAN connector is 10 pin designs in PPC side, User need to plug in and make the cable fit the 10 pin connector, and then the O-ring on the cable will be squeezed as the protection ring is screwing clockwise.

PPC Accessory list

USB cable	1 PCS
LAN Cable	1 PCS
RS-232 Cable	1 PCS
Power Cable	1 PCS
Adapter	1 PCS
Quick installation guide	1 PCS

< Notice >

Maximum useful distance about USB cable

In practice, the USB specification limits the length of a cable between USB2.0 devices to 5 meters (a little under 16 feet 5 inches). For USB1.1 devices the limit is 3 meters (9 feet 10 inches).

When you use an external USB device like USB CD-ROM, the length may be too long to transfer data if you use a USB adapter plug cable (A male to B male). Therefore we suggest you to use the USB Type A (male) to Type B (male) adapter we provide to keep the length of USB cable under safe range.



USB Type A (male) to Type B (male) adapter

