Ex Remote PC

rPC1200

Industrial Grade Embedded CPU with RDP / VNC Protocols

18.5" Wide Screen LCD Monitor

SS316L MOC Flame Proof Enclosure with IS Keyboard

108 keys IP65 Membrane Keyboard

Zone 1 and Zone 2 Approved Remote Monitor

The POLMON rPC1200 is a remote monitor suitable for use in Zone1 & Zone2 for Gas Gr. IIA & IIB hazardous area. Operator can control and monitor any process in the shop floor with integrated intrinsically safe keyboard and mouse. Both VNC and Remote Desktop protocols are supported.
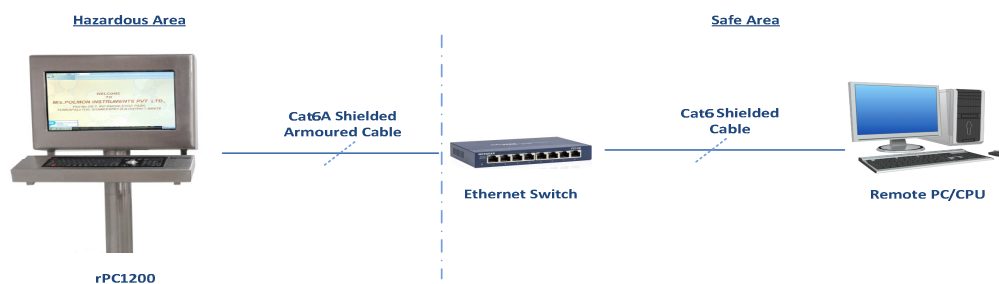
Features
- Industrial grade embedded CPU
- Suitable for Zone 1 and Zone 2 Hazardous areas
- SS Flame proof enclosure & intrinsically safe keyboard & mouse
- Integrated stand mount enclosure
- 18.5" Wide Screen LCD Monitor
- 108 keys IP65 membrane keyboard
- Ethernet interface to Remote PC
- Wi-Fi Connectivity
- Bluetooth Connectivity For Barcode Scanner

Applications
- Easy Visualization of process in pharmaceutical Industry
- Controlling and Monitoring of Process

Network Architecture

Hazardous Area

Safe Area

Cat6A Shielded Armoured Cable

Cat6 Shielded Cable

Ethernet Switch

Remote PC/CPU

rPC1200

Specifications

Technical

Model No	rPC1200-1-X-1	rPC1200-1-1-1	rPC1200-1-X-2	rPC1200-1-1-2
Operating System	Embedded Linux			
CPU	Quad core Cortex-A72 (ARM v8) 64-bit SoC @ 1.5GHz, Broad Com Make			
Memory	8GB RAM			
Storage	16GB			

Power Supply

Input Supply	230V AC	24V DC	230V AC	24V DC
Current rating	0.27A	6.5A	0.27A	6.5A

Display

Display Size	18.5" Wide Screen LCD Monitor
Response Time	5ms
Resolution	1366×768 / 1920x1080
Aspect ratio	16:9
Colour Depth	24 bit (16.7M) colour
Contrast ratio	1000:1
Brightness	300 nit
Reading Angle	160° in all directions
Backlight Life	50,000 Hrs

Keyboard

Keys	108(Tactile)

Mouse

Trackball	38mm Optical

Connectivity

Ethernet	10/100/1000 Mbit	
Wi-Fi	2.4 GHz and 5.0 GHz IEEE 802.11ac Wireless	
Bluetooth	5.0, Range 30Ft	
Connectivity Type	Remote Desktop Protocol (RDP)	Virtual Network Computing (VNC)
Concurrent Users	Upto 3	

Physical

Enclosure	Ex 'd'(Flame Proof) Zone1 & Zone2 for Gas Gr IIA & IIB for Monitor Enclosure and Ex 'ib' for Keyboard
Material	SS316L With Matte Finish
Mounting	Pedestal
Weight	Monitor + Keyboard: 60Kg (Approx)
	Stand: 13Kg (Approx)
Dimension	Monitor Enclosure : 600 x 450 x 160 mm
	Keyboard Enclosure : 600 x 220 x 60 mm
	Stand: 3 1/2" with 20 schedule Round Pipe, Length: 1045mm
Cable Entries	2No's, 1/2" ET with Glands
Connecting Terminals	Spring Loaded Terminals

Environmental

Operating Temperature	10 to 50 °C
Humidity	10-95%RH, Non-Condensing

Ordering Information for rPC1200			
rPC1200	**X**	**X**	**X**
Model No	**Display Size**	**Power Supply**	**Connectivity Type**
rPC1200	1 – 18.5"	X – 230V AC	1 – RDP
		1 – 24VDC	2 – VNC

Mechanical Drawing of rPC1200

FRONT VIEW   R.SIDE VIEW

DETAILS OF FLANGE:
Flange Size : 3 Inch
Flange PCD : 150.0mm
No of holes : 4No's
Flange OD : 190.0mm