

Ex Remote PC

rPC1200



Industrial Grade Embedded CPU with RDP / VNC Protocols

21.5" FHD 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. It utilizes highly secure remote monitoring protocol over Ethernet/IP for interface to external Remote PC.

Features

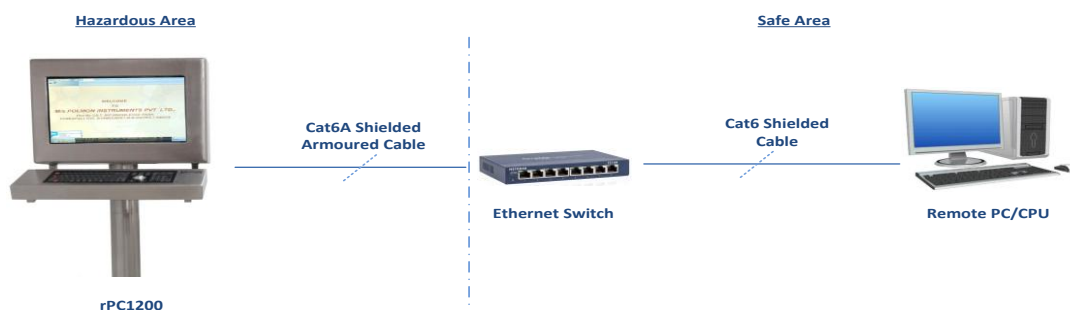
- Industrial grade embedded CPU
- Suitable for Zone 1 and Zone 2 Hazardous areas
- SS Flame proof enclosure & intrinsically safe keyboard & mouse
- Integrated stand mount enclosure

- 21.5" FHD Wide Screen LCD Monitor
- 108 keys IP65 membrane keyboard
- Ethernet interface to Remote PC
- Remote PC (Optional)

Applications

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

Network Architecture



Specifications

Technical

Model No	rPC1200-2-X-1	rPC1200-2-1-1	rPC1200-2-X-2	rPC1200-2-1-2
Operating System	Microsoft Windows CE-7		Embedded Linux	
CPU	ARM Cortex A9		i.MX6 DL Cortex A9	
Memory	512MB DDR3			
Storage	512MB NAND Flash			

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	21.5" FHD Wide Screen LCD Monitor
Response Time	14ms
Resolution	1920x1080 (FHD)
Aspect ratio	16:9
Colour Depth	24 bit (16.7M) colour
Contrast ratio	1000:1
Brightness	250 (cd/m ²)
Reading Angle	160° in all directions

Keyboard

Keys	108(Tactile)
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Mouse

Trackball	38mm Optical
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Connectivity

Ethernet	10/100 Mbit
Connectivity Type	Remote Desktop Protocol (RDP) Virtual Network Computing (VNC)

Physical

Enclosure	Ex 'd'(Flame Proof) Zone1 & Zone2 for Gas Gr IIA & IIB for Monitor Enclosure and Ex 'ib' for Keyboard
Material	SS316L With Matt Finish
Mounting	Floor Mount with stand
Weight	Monitor + Keyboard + Stand : 65Kg (Approx)
Dimension	Monitor Enclosure : 600 x 450 x 160 mm Keyboard Enclosure : 600 x 220 x 60 mm
Cable Entries	2No's, 1/2" ET with Glands

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	2 – 21.5"	X – 230V AC	1 – RDP
		1 – 24VDC	2 – VNC

Mechanical Drawing of rPC1200

