

Panel mount remote monitor

VisuNet RM8221



- 21.5 inch Full HD display with optional touch screen
- Class I/Div 2, Class II/Div 2 and ATEX/IECEX Zone 2 and 22 approved
- 16:9 Full HD widescreen format
- Compression fit touchscreen ensures reliable continuous use
- Designed to withstand shock and vibration
- Extended temperature range for indoor/outdoor use
- Supports RDP, ICA, or VNC protocols
- Standard Ethernet networking connections to the server
- Class I/Div 2, Class II/Div 2, ATEX/IECEX Zone 2, and ATEX Zone 22 approved

Remote monitor designed for continuous use in harsh environments



Function

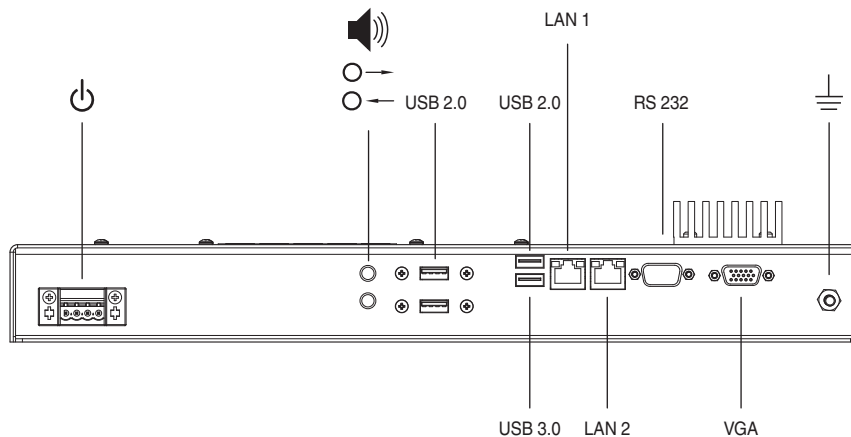
The RM8221 panel mount remote monitor is designed for continuous use in harsh environments commonly found in industrial manufacturing, oil & gas, and chemical applications.

The RM8221 monitor receives video signals from a host pc/server and transmits local user inputs e.g., touch and keystrokes. Over an Ethernet (TCP/ IP) connection using RDP, VNC, or ICA protocols.

This 21.5 inch RM features an optional touchscreen.

The front bezel is rated Type 4/4X and IP66.

Connection



Release date: 2023-05-23 Date of issue: 2023-05-23 Filename: t181022_eng.pdf

Refer to "General Notes Relating to Pepperl+Fuchs Product Information".

Pepperl+Fuchs Group
www.pepperl-fuchs.com

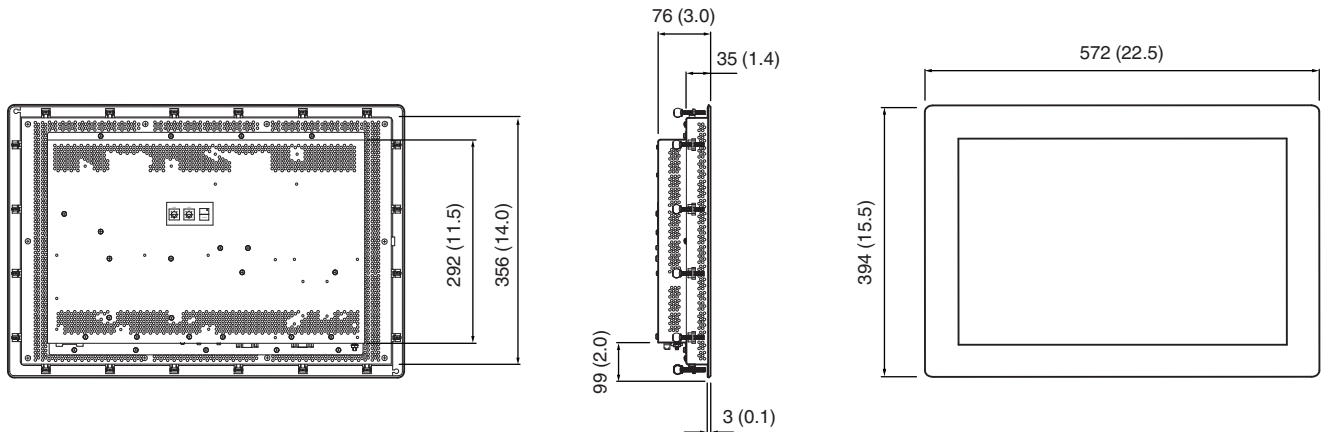
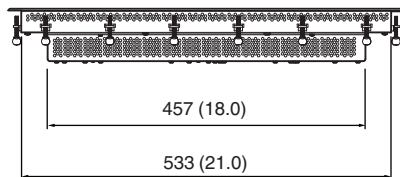
USA: +1 330 486 0002
pa-info@us.pepperl-fuchs.com

Germany: +49 621 776 2222
pa-info@de.pepperl-fuchs.com

Singapore: +65 6779 9091
pa-info@sg.pepperl-fuchs.com

 PEPPERL+FUCHS

Dimensions



Technical Data

Hardware	
Processor	Intel® Atom™ E3826 1.46 GHz alternative: 1.58GHz Intel® Celeron N2807 *
RAM	4 GB
Mass storage	compact flash: 32 GB CFAST
Supply	
Connection	Terminals
Power consumption	60 W max. 20-30 VDC
Indicators/operating means	
Display	
Screen diagonal	54.6 cm (21.5 inch)
Response time	25 ms (standard brightness) 5 ms (high brightness)
Resolution	1920 x 1080 Full HD
Color depth	24 bit (16.7 M) color
Contrast	5000:1 (standard brightness) 900:1 (high brightness)
Brightness	300 cd/m ² (nits) - standard brightness 1200 cd/m ² (nits) - high brightness
Reading angle	89° in all directions (standard brightness) 170° H; 160° V (high brightness)
Life span	back lamp life: 50,000 hrs typical half life
Input devices	
Touchscreen	5-wire resistive 5-wire hardened resistive





Release date: 2023-05-23 Date of issue: 2023-05-23 Filename: t181022_eng.pdf

Refer to "General Notes Relating to Pepperl+Fuchs Product Information".

Technical Data

Interface	
Interface type	2 x 1 GB ethernet, 4 x USB, audio, RS232, power
Directive conformity	
Electromagnetic compatibility	
Directive 2014/30/EU	EN 61326-1:2013
Software	
Operating system	VisuNet RM Shell 5 (based on Microsoft® Windows® 10 IoT LTSC)
Ambient conditions	
Operating temperature	-20 ... 50 °C (-4 ... 122 °F)
Storage temperature	-20 ... 60 °C (-4 ... 140 °F)
Relative humidity	0 ... 90% (noncondensing)
Shock resistance	30g, 11 ms, all axis
Vibration resistance	5 ... 100 Hz 1G, 12 m/s ²
Mechanical specifications	
Degree of protection	Type 4X (stainless steel) Type 4 (painted steel) IP66
Material	Bezel: black painted steel or 316L satinless steel
Installation	panel mount panel cutout: 536 x 358 mm (21.1 x 14.1 inch)
Mass	15.9 kg (35 lb)
Dimensions	572 x 394 x 76 mm (22.5 x 15.5 x 3.0 inch)
Data for application in connection with hazardous areas	
Certificate	DEMKO 12 ATEX 1107369X Ⓢ II 3G Ex nA nC IIC T4 Gc Ⓢ II 3G Ex nA IIC T4 Gc
Certificate	PF15CERTB098X Ⓢ II 3D Ex tc IIIC T85°C Dc ("B1" version only)
Directive conformity	
Directive 2014/34/EU	EN 60079-0:2012/A11:2013 EN 60079-15:2010 EN 60079-31:2014 ("B1" version)
IECEx approval	IECEx UL 12.0028X
International approvals	
UL approval	UL Listing (E190294) for Class I Div 2, Groups A, B, C, D Class II Div 2, Groups F, G UL Listing (E185778) for Ordinary Locations
General information	
Supplementary information	* see Typelabel 2021 alternative, processor can not be chosen

Accessories

	VISUNET-RM-SHELL5 (2019 LTSC)	Thin Client Firmware for VisuNet Remote Monitors, Box Thin Clients and Tablet Thin Clients (mobile)
	VISUNET-RM-SHELL5 (2016 LTSC)	Thin Client Firmware for VisuNet Remote Monitors and Box Thin Clients
	VISUNET CONTROL CENTER 4	Additional Management tool for VisuNet Remote Monitors and Box Thin Clients
	VISUNET-RM-SHELL5-CC	VisuNet Control Center License Key for RM Shell 5

Release date: 2023-05-23 Date of issue: 2023-05-23 Filename: t181022_eng.pdf

Refer to "General Notes Relating to Pepperl+Fuchs Product Information".

Pepperl+Fuchs Group
www.pepperl-fuchs.comUSA: +1 330 486 0002
pa-info@us.pepperl-fuchs.comGermany: +49 621 776 2222
pa-info@de.pepperl-fuchs.comSingapore: +65 6779 9091
pa-info@sg.pepperl-fuchs.com

PEPPERL+FUCHS

Accessories

	VISUNET-RM-SHELL5-DRDC	DRDC License Key for RM Shell 5
	VISUNET-RM-SHELL5-PRO	PRO License Key for RM Shell 5

Release date: 2023-05-23 Date of issue: 2023-05-23 Filename: t181022_eng.pdf

Refer to "General Notes Relating to Pepperl+Fuchs Product Information".

Pepperl+Fuchs Group
www.pepperl-fuchs.com

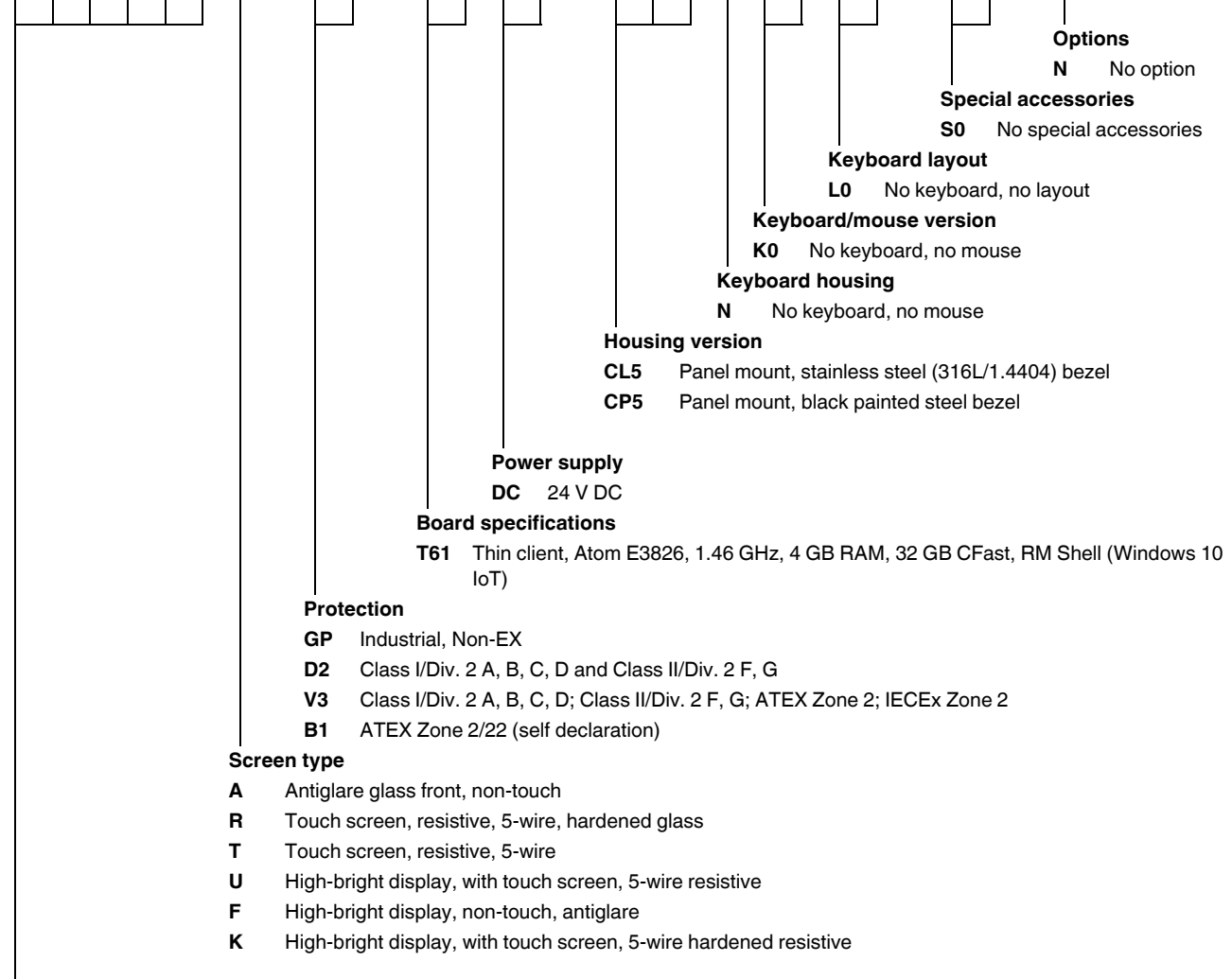
USA: +1 330 486 0002
pa-info@us.pepperl-fuchs.com

Germany: +49 621 776 2222
pa-info@de.pepperl-fuchs.com

Singapore: +65 6779 9091
pa-info@sg.pepperl-fuchs.com

Type Code

R M 8 2 2 1 A - G P - T 2 D C - C L 5 N K 0 L 0 - S 0 - N



RM8221 Remote monitor, 21.5" (54.6 cm), Full HD (1920 x 1080)

Release date: 2023-05-23 Date of issue: 2023-05-23 Filename: t181022_eng.pdf