



# Remote Monitor Workstation

## RM922 Series

- 22 inch TFT display w/ optional touch screen
- Widescreen 16:10 aspect ratio
- Seams continuously welded and ground smooth (Type 4/4X, IP66)
- Various keyboard/mouse options
- Video transfer via EtherNet/IP connection
- 100 mm VESA mount
- Class I, Div. 2 / ATEX Zone 2 approved

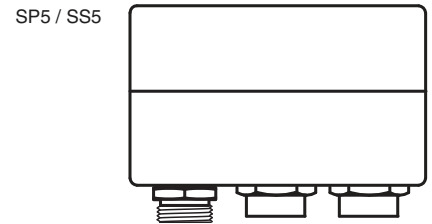
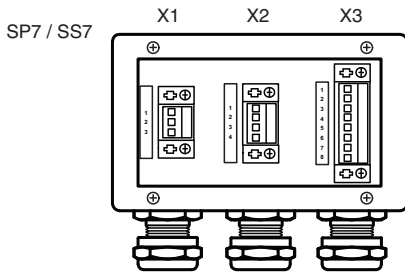
22 inch (55.9 cm) remote monitor



### Function

The RM922 remote monitor is designed for continuous use in harsh environments such as manufacturing, oil & gas, and chemical applications. The RM transmits video data digitally from the host PC to the monitor over an Ethernet connection using RDP, VNC, or ICA protocol. The compact housing design allows for easy mounting using the industry standard 100 mm VESA mount. This 22" monitor features an optional touchscreen and keyboard with various mouse options.

### Connection



X1 Terminals	AC	DC
1.1	L	+
1.2	N	-
1.3	GND	GND

X2 Terminals	Description
2.1	VCC RD
2.2	D+ GN
2.3	D- WH
2.4	GND BK

X3 Terminals	Description
3.1	BI_DA + WH/GN
3.2	BI_DA - GN
3.3	BI_DB + WH/OR
3.4	BI_DC + BU
3.5	BI_DC - WH/BU
3.6	BI_DB - OR
3.7	BI_DD + WH/BN
3.8	BI_DD - BN



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

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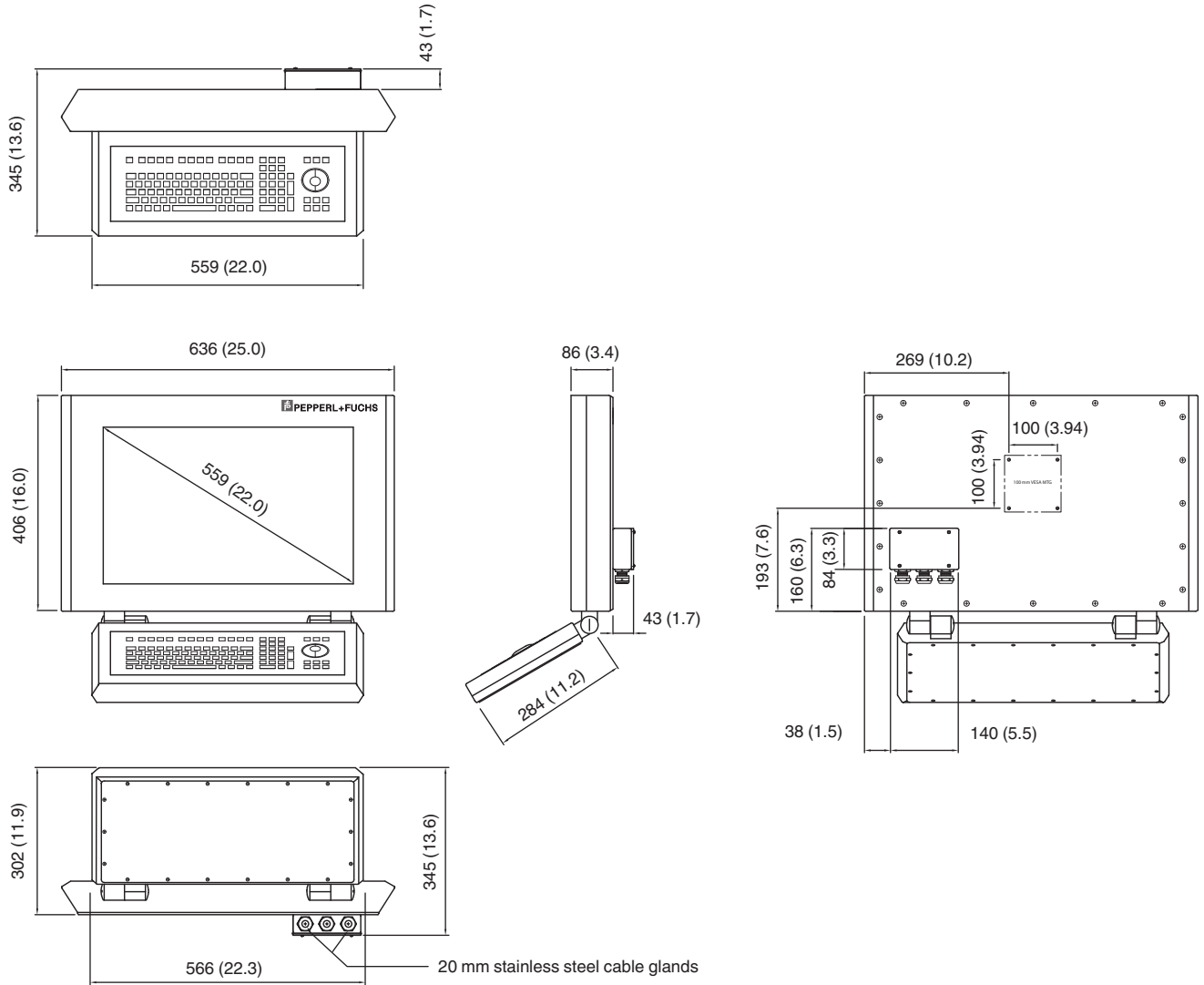
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**Dimensions**



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**Technical Data**



<b>Hardware</b>	
Processor	Intel® Atom™ E3826 1.46 GHz alternative: 1.58GHz Intel® Celeron N2807 *
RAM	4 GB
Mass storage	compact flash: 32 GB CFAST
<b>Supply</b>	
Power consumption	70 W max, 100 ... 240 VAC, 50 ... 60 Hz, or 24 VDC
<b>Indicators/operating means</b>	

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

## Technical Data

<b>Display</b>		
Screen diagonal		22 inch (559 mm)
Response time		4 ms
Resolution		1680 x 1050
Color depth		24 bit (16.7 M) color
Contrast		1000:1
Brightness		250 cd/m <sup>2</sup> (nit)
Reading angle		160° in all directions
Life span		back lamp life: 50,000 hrs typical half life
<b>Input devices</b>		
Touchscreen		5-wire resistive
Keyboard		touchpad , optical trackball (50 mm) , joystick connections : USB
<b>Interface</b>		
Interface type		1 x RJ-45 (GB ethernet) , 1 x USB 2.0 , 1 x power 1 x Fiber optic LAN, SC duplex, multimode (optional)
<b>Directive conformity</b>		
Electromagnetic compatibility		
Directive 89/336/EEC		EN55022A, EN61000-6-2, EN61000-3-2, EN61000-3-3
<b>Software</b>		
Operating system		VisuNet RM Shell 5 (based on Microsoft® Windows® 10 IoT LTSC)
<b>Ambient conditions</b>		
Operating temperature		-20 ... 45 °C (-4 ... 113 °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 <sup>2</sup>
<b>Mechanical specifications</b>		
Degree of protection		Type 4X ( stainless steel ) Type 4 ( painted steel ) IP66
Material		Main enclosure: painted black steel or 316L stainless steel Main enclosure (rear cover): 6062 anodized aluminum, marine grade
Installation		100 mm ( 3.9 inch ) VESA mount
Mass		Main unit: 15.9 kg (35 lb) without keyboard; 21.3 kg (47 lb) with keyboard
Dimensions		Main enclosure: 636 x 406 x 86 mm (25.0 x 16.0 x 3.4 inch) , junction box adds 43 mm (1.7 inch) to depth Keyboard enclosure: 559 x 254 x 51 mm (22.0 x 10.0 x 2.0 inch)
<b>Data for application in connection with hazardous areas</b>		
EU-type examination certificate		
Marking		Ⓔ II 3G Ex ic nA IIC T4 Gc
<b>International approvals</b>		
ETL approval		Class I, Div. 2 Groups A, B, C, D; T4
<b>General information</b>		
Supplementary information		* see Typelabel 2021 alternative, processor can not be chosen

## Accessories







	<b>VISUNET-RM-SHELL5 (2019 LTSC)</b>	Thin Client Firmware for VisuNet Remote Monitors, Box Thin Clients and Tablet Thin Clients (mobile)
	<b>VISUNET-RM-SHELL5 (2016 LTSC)</b>	Thin Client Firmware for VisuNet Remote Monitors and Box Thin Clients

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**Accessories**

	<b>VISUNET CONTROL CENTER 4</b>	Additional Management tool for VisuNet Remote Monitors and Box Thin Clients
	<b>VISUNET-RM-SHELL5-CC</b>	VisuNet Control Center License Key for RM Shell 5
	<b>VISUNET-RM-SHELL5-DRDC</b>	DRDC License Key for RM Shell 5
	<b>VISUNET-RM-SHELL5-PRO</b>	PRO License Key for RM Shell 5
	<b>VESA CABLE FEEDTHROUGH</b>	Slimline adapter plate
	<b>SL-2ES-2SC</b>	Industrial Ethernet Media Converter

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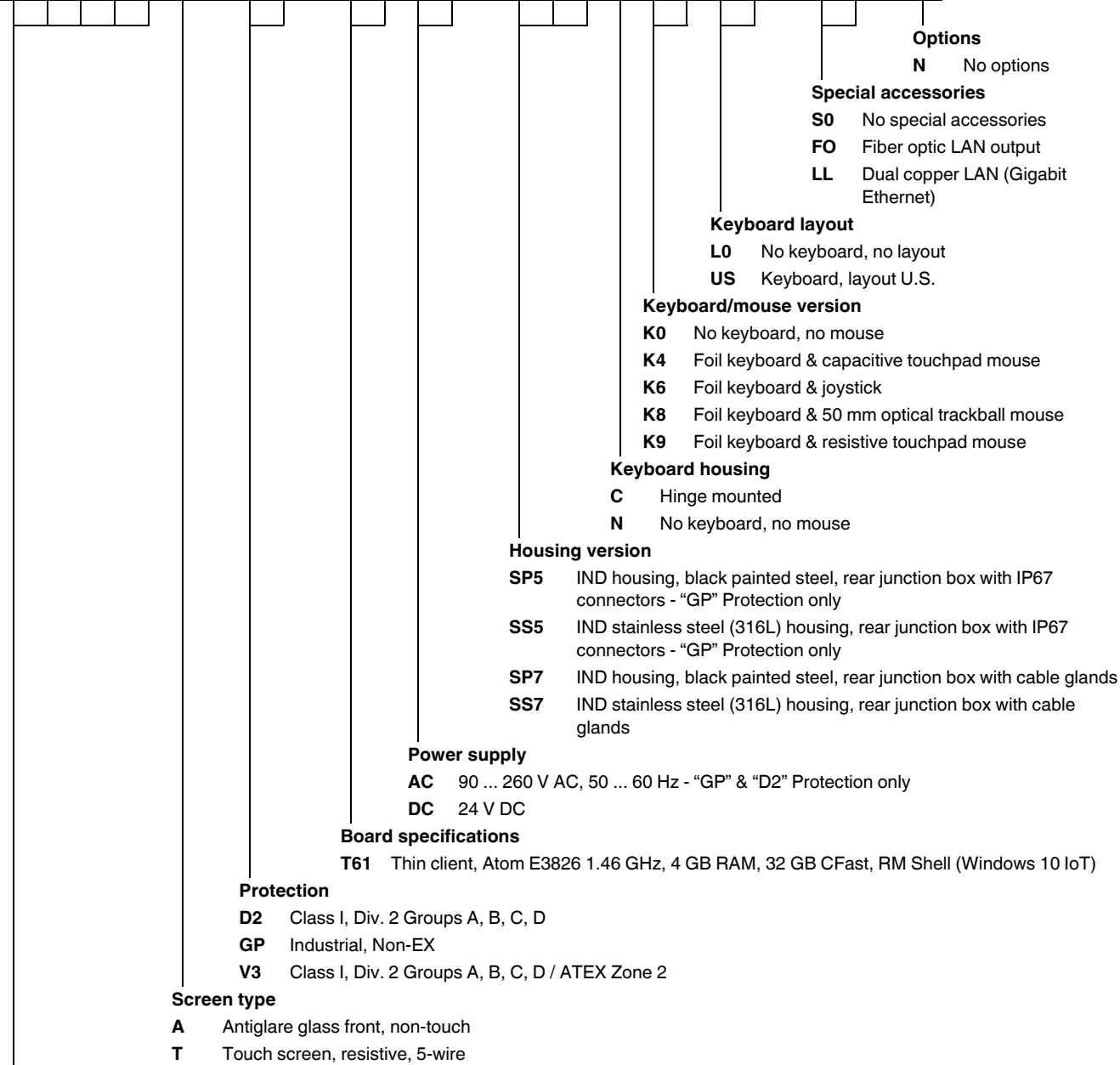
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**Type Code**

**R M 9 2 2 A - D 2 - T 51 A C - S P 5 C K 0 L 0 - S 0 - N**



**Options**

**N** No options

**Special accessories**

**S0** No special accessories

**FO** Fiber optic LAN output

**LL** Dual copper LAN (Gigabit Ethernet)

**Keyboard layout**

**L0** No keyboard, no layout

**US** Keyboard, layout U.S.

**Keyboard/mouse version**

**K0** No keyboard, no mouse

**K4** Foil keyboard & capacitive touchpad mouse

**K6** Foil keyboard & joystick

**K8** Foil keyboard & 50 mm optical trackball mouse

**K9** Foil keyboard & resistive touchpad mouse

**Keyboard housing**

**C** Hinge mounted

**N** No keyboard, no mouse

**Housing version**

**SP5** IND housing, black painted steel, rear junction box with IP67 connectors - "GP" Protection only

**SS5** IND stainless steel (316L) housing, rear junction box with IP67 connectors - "GP" Protection only

**SP7** IND housing, black painted steel, rear junction box with cable glands

**SS7** IND stainless steel (316L) housing, rear junction box with cable glands

**Power supply**

**AC** 90 ... 260 V AC, 50 ... 60 Hz - "GP" & "D2" Protection only

**DC** 24 V DC

**Board specifications**

**T61** Thin client, Atom E3826 1.46 GHz, 4 GB RAM, 32 GB CFAST, RM Shell (Windows 10 IoT)

**Protection**

**D2** Class I, Div. 2 Groups A, B, C, D

**GP** Industrial, Non-EX

**V3** Class I, Div. 2 Groups A, B, C, D / ATEX Zone 2

**Screen type**

**A** Antiglare glass front, non-touch

**T** Touch screen, resistive, 5-wire

**RM922** Remote monitor, 22 in (559 mm), WSXGA (1680 x 1050 pixels), Ethernet Network connection, RDP, TCP/IP

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