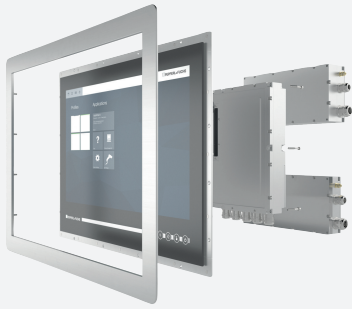


# VisuNet GXP Remote Monitor Zone 1/21

## RM-GXP1100-\*



- 21.5" (54.61 cm) display
- Full HD Resolution
- Lightweight design: approx. 50 pounds (23 kg)
- Flush or bezel mounting options
- Completely modular system for easy field maintainability
- 16:9 aspect ratio widescreen formatting to match engineering stations
- IP66 with housing
- Thin Client solution (with RM Shell 4.x)
- Certified for ATEX and IECEx Zone 1/21



### Technical Data

#### General specifications

Type	Remote Monitor
<b>Hardware</b>	
Processor	Intel® Atom™ Bay Trail E3827 1.75 GHz
RAM	2 GB DDR3L
Mass storage	32 GByte industrial grade MLC SSD
<b>Supply</b>	
Power consumption	max. 72 W , typ. 55 W
<b>Indicators/operating means</b>	
Display	
Type	Liquid Crystal Display (LCD) with LED backlight
Screen diagonal	54.61 cm (21,5 ")
Resolution	1920 x 1080 pixels (Full HD) Aspect ratio 16:9
Color depth	24 bit (16.7 M) color
Contrast	5000:1 (typically)
Brightness	300 cd/m <sup>2</sup>
Reading angle	175° in all directions
Life span	back lamp life: 50.000 hrs typical half life
Input devices	
Touchscreen	optional: projective capacitive; 10 finger multi-touch, glove friendly
Keyboard	Foil keyboard with different pointing device options available (see EXTA2 datasheet)
<b>Interface</b>	
Interface type	1x 1000BASE-T LAN Ex e, 1x USB Ex e, 2x USB Ex i; 1x DC/AC power in (via Power Supply Unit) 1x 1000BASE-SX Fiber Optic (multi-mode, LC connector) (alternative to 1000BASE-TX) 1x Barcode Reader interface Ex i (e.g. PSCAN-D, PSCAN-B) - optional
<b>Directive conformity</b>	
Electromagnetic compatibility	
Directive 2014/30/EU	EN 61326-1:2013 (industrial locations) ; EN 61000-6-4:2007+A1:2011
<b>Software</b>	
Operating system	VisuNet RM Shell 4.x (based on Microsoft® Windows™ Embedded Standard 7)

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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

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**Technical Data**

<b>Ambient conditions</b>	
Operating temperature	0 ... 50 °C (32 ... 122 °F) (normal operation) ; -20 ... 50 °C (-4 ... 122 °F) (after 1 hour of operation)
Storage temperature	-20 ... 60 °C (-4 ... 140 °F)
Relative humidity	93% at 40°C, non-condensating, according to EN60068-2-78
Altitude	Operating altitude max. 2000 m
Shock resistance	18 shocks 15 g , 11 ms all axis, IEC 60068-2-27
Vibration resistance	10 ... 150 Hz, +/- 0.075 mm , 1g, 10 cycles per axis according to EN60068-2-6
<b>Mechanical specifications</b>	
Degree of protection	IP66 (panel with system housing)
Material	Panel: anodized aluminum (TCU, PSU), powder coated aluminum (DPU) Bezel: stainless steel AISI 304 (1.4301) System housing: stainless steel AISI 304 (1.4301), ceramic blasted
Installation	Flush-mount installation (requires customized mounting kit) Panel-mount installation into system housing with bezel Panel-mount installation into cabinet with Bezel and standard mounting kit
Mass	Panel (DPU with bezel, TCU, PSU DC): approx. 23 kg Panel (DPU with bezel, TCU, PSU AC): approx. 24 kg System housing: approx. 11 kg
Dimensions	Panel (DPU with bezel, TCU, PSU DC): 625x459x120 mm Panel (DPU with bezel, TCU, PSU AC): 625x459x137 mm Panel with system housing: 625x459x173 mm
<b>Data for application in connection with hazardous areas</b>	
EU-type examination certificate	BVS 17 ATEX E 036 X
Marking	Ⓜ II 2G Ex eb q ib [ib] IIC T4 IP66 Gb Ⓜ II 2D Ex tb [ib] IIIC T85°C IP66 Db
Directive conformity	
Directive 2014/34/EU	EN 60079-0:2012+A11:2013, EN 60079-5:2015, EN 60079-7:2015, EN 60079-11:2012, EN 60079-31:2014
<b>International approvals</b>	
IECEx approval	IECEx BVS 17.0029X
Approved for	Ex eb q ib [ib] IIC T4 IP66 Gb Ex tb [ib] IIIC T85°C IP66 Db
Standards	IEC 60079-0:2011, IEC 60079-5:2015, IEC 60079-7:2015, IEC 60079-11:2011, IEC 60079-31:2013









**Accessories**

	<b>DATL-FO-SM-LC-SC-15</b>	Fiber Optic Single-Mode Breakout Cable
	<b>DATL-FO-SM-LC-LC-15</b>	Fiber Optic Single-Mode Breakout Cable
	<b>TCU1100-*</b>	Thin Client Unit
	<b>PSU1100-J1-DC-N0</b>	DC Power Supply
	<b>EXTA2-*-K3*</b>	Ex i keyboard with trackball
	<b>EXTA2-*-K4*</b>	Ex i keyboard with touchpad
	<b>EXTA2-*-K6*</b>	Ex i keyboard with joystick

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**Accessories**

	<b>Mounting Options</b>	
	<b>VISUNET-CONTROL-CENTER</b>	Additional Management tool for VisuNet Remote Monitors and Box Thin Clients
	<b>VISUNET-RM-SHELL5</b>	Thin Client Firmware for VisuNet Remote Monitors
	<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>DATL-FO-MM-*</b>	Fiber Optic Multi-Mode Breakout Cable
	<b>DKX4-101</b>	Raritan Dominion KVM-over-IP Switch

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## Function

The VisuNet GXP Remote Monitor (RM-GXP1100-\*) is a lightweight modular operator workstation for use in hazardous locations according to ATEX & IECEx Zone 1/21.

The system assembly consists of three core components that are field-replaceable by the customer.

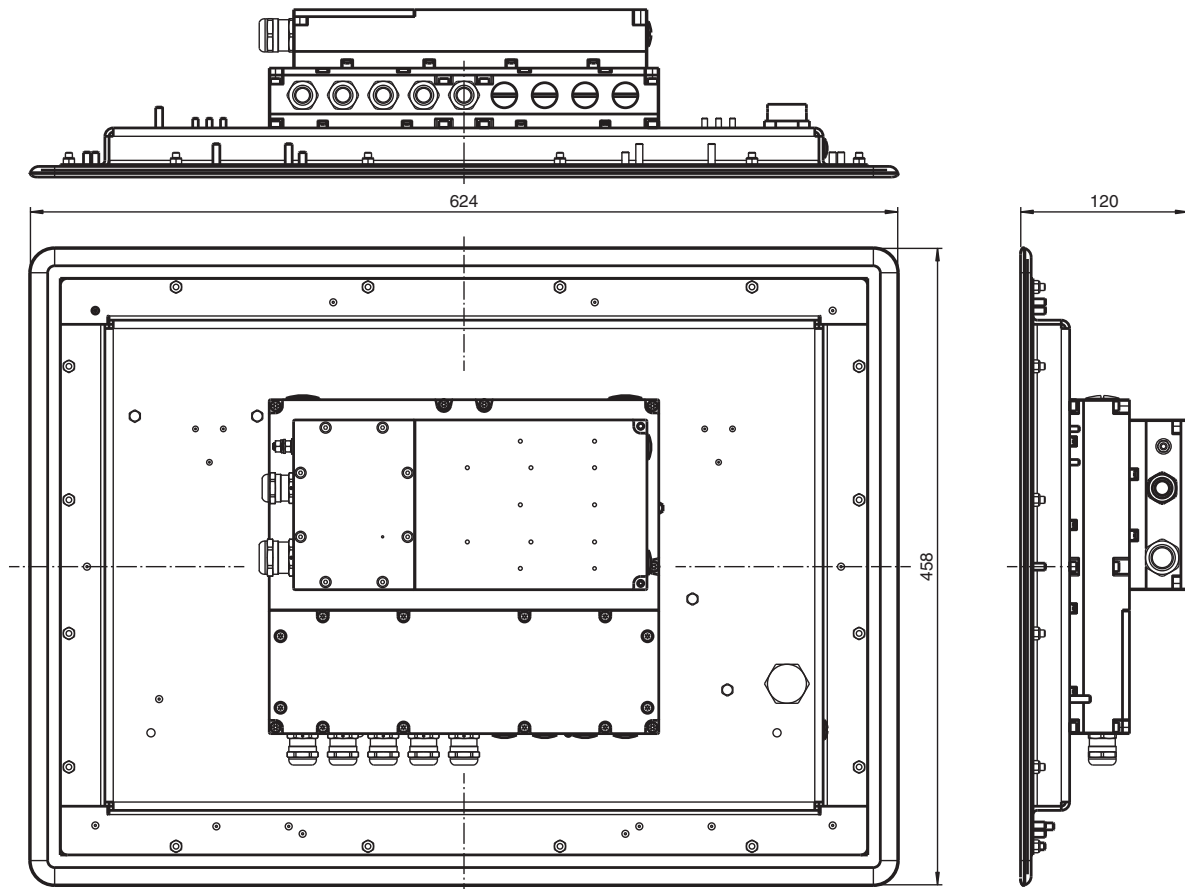
The display unit (DPU1100-\*) is a Zone 1/21 rated display panel with an optionally available, 10 finger multi-touch sensor. The display and touch-sensor are optically bonded with the hardened front glass.

The thin client unit (TCU1100-\*) is a Zone 1/21 rated computing unit that runs the latest Pepperl+Fuchs RM Shell 4.x firmware. The TCU allows connecting to a various set of host systems in the safe area, using standard Ethernet technology.

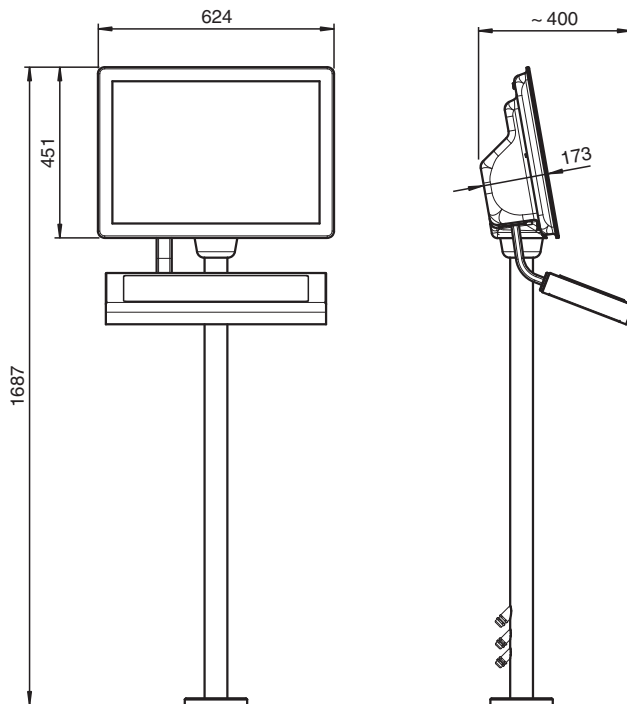
The power supply units (PSU1100-\*) are Zone 1/21 rated power supplies, providing the TCU and DPU devices with 24 V DC power.

As standard mounting option, a bezel is available that allows mounting the panel into the system housing or into a cabinet (requires mounting kit). The panel can also be flush-mounted into a cabinet from the back with additional mounting brackets.

**Dimensions**



**Mounting Example: Enclosure, Pedestal, External Keyboard**



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**Type Code**

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**Type Code VisuNet RM-GXP1100-\***

Model	Display Unit	Power Supply Unit	Thin Client Unit	Housing	Options
Model					
RM-GXP1100-	VisuNet GXP Remote Monitor System; Zone 1/21				
Display Unit					
	01-	21,5" (16:9), 1920x1080; No touch; No bezel			
	02-	21,5" (16:9), 1920x1080; multi-touch; No bezel			
	03-	21,5" (16:9), 1920x1080; No touch; bezel for panel mount & into housing			
	04-	21,5" (16:9), 1920x1080; multi-touch; bezel for panel mount & into housing			
Power Supply Unit					
	D1-	18-30 V DC			
	A1-	100-240 V AC, 50-60 Hz - available soon			
Thin Client Unit					
	001-	Thin Client - RM Shell 4.x (Based on WES7); Ethernet Ex e			
	002-	Thin Client - RM Shell 4.x (Based on WES7); Fiber Optic (Multi-mode; LC) - available soon			
	003-	Thin Client - RM Shell 4.x (Based on WES7); Ethernet Ex e, Barcode Reader interface Ex i			
Housing					
	NN-	No housing			
	H1-	Stainless steel housing for GXP (SS304), Front opening			
Options					
	N0	Standard, no options			

Example: RM-GXP1100-01-D1-001-NN-N0

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