Features

- Remote Monitor
- Can also be operated as Extended Desktop, Clone Monitor and with several host PCs
- Device installation in Zone 1 and Zone 21
- 19 inch monitor (48.3 cm)
- Network based data transfer via Ethernet (optional RDP, or VNC)
- Adapted for distances up to 90 m (or 2 km by using an optionbox)

Application

Visunet EX1 devices are operator workstations for use in harsh industrial conditions. Typical application locations are the chemical and the pharmaceutical industries as well as the petrochemical industry.

The operator workstations are available as Remote Monitors and as Panel PCs.

The Remote Monitors are suitable for use in distributed control systems or can be connected to several Host PCs.

Remote Monitors can be operated as multimonitor systems (several RMs at one Host PC or several Host PCs at one RM) as well as in the form of Extended Desktops. Data is being transmitted Host PC either via RDP, VNC or ICA.

The network capabilities of the Remote Monitors ensure failure-free and pure digital data transmission. The operator workstations are administered via their IP addresses, so that topology changes can be made without hassle. No additional software installation is required.

$C\epsilon$ $\langle Ex \rangle$

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

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1

General specifications	
Type	Remote Monitor
Supply	
Rated voltage U_r	24 V DC (20 ... 30 V DC)
Power consumption	max. 75 W
Indicators/operating means	
Display	
Type	TFT, LCD
Screen diagonal	48.3 cm (19 inch)
Resolution	1280 x 1024 pixels representable: 640 x 480 up to 1280 x 1024 pixels
Color depth	16 Mio.
Contrast	1000:1
Brightness	300 cd/m^2
Reading angle	89° / 89° / 89° / 89°
Life span	50.000 h @ 25 °C
Input devices	Analog resistive touchscreen (optional) , Keyboard with integrated mouse functionality: touchpad/joystick versions available
Interface	
Interface type	USB , RS-485, RS-422, RS 232, Ethernet , TTY
Ambient conditions	
Operating temperature	-10 ... 50 °C (14 ... 122 °F) (at switching on) -20 ... 50 °C (-4 ... 122 °F) (when operating)
Storage temperature	-20 ... 60 °C (-4 ... 140 °F)
Relative humidity	max. 85 % non-condensing (48 h endurance test)
Mechanical specifications	
Degree of protection	IP66
Installation	Mountable on floor, wall or ceiling several mounting options (turnable/fix) available
Mass	approx. 41 kg
Dimensions	537 x 457 x 158 mm (display) 590 x 700 x 470 mm (surface-mounted case)
Cut out dimensions	466 mm x 389 mm
Data for application in connection with hazardous areas	
EU-Type Examination Certificate	BVS 07 ATEX E 008 X 2nd Edition
Marking	(Ex) II 2 G Ex e mb q [ib] IIC T4 Gb (Ex) II 2 D Ex tb [ib] IIIC T85°C Db (Ex) II 3 (2) G Ex e mc q [ib Gb] IIC T4 Gc (Ex) II 3 (2) D Ex tc [ib Db] IIIC T85°C Dc
International approvals	
IECEx approval	IECEx BVS 08.0030X

Accessories

VISUNET-RM-SHELL4

PSCAN-D-1*-F2-*

Handheld barcode reader

VisuNet EX1*

Mounting Options "StandardLine" and "BasicLine"

VISUNET-RM-SHELL4-PRO

VISUNET-RM-SHELL4-DRDC

DKX2-101-V2

Raritan Dominion KVM Switch

VISUNET-RM-SHELL4-CC

VISUNET-CONTROL-CENTER

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Type Code VisuNet EX1 RM

Monitor Type	Screen Type	Ex Protection	Barcode Reader	Interface Options	Housing Version	Mounting Remote	Mounting & Keyboard	Keyboard & Mouse	Keyboard Layout	Options

Monitor Type, Display Size

RM519	Remote Monitor 19" (48,3 cm)

Screen Type

E-	Anti-Reflex Glass
T-	Touchscreen (resistive)

Ex Protection

2G + 2D	**J**	IECEx & ATEX II 2 G Ex e mb q [ib] IIC T4 Gb, II 2 D Ex tb [ib] IIIC T85°C Db, Gas & Dust Ex, Zone 1 & 21
3G + 3D	**W**	IECEx & ATEX II 3 (2) G Ex e mc q [ib Gb] IIC T4 Gc, II 3 (2) D Ex tc [ib Db] IIIC T85°C Dc, Gas & Dust Ex, Zone 2 & 22
ind	**N**	Industrial Non-Ex version

Barcode Reader Interface

-N	No identification system
-A	Ex i Radio Barcode Reader Interface integrated, including barcode reader holder and socket connector for housing
-S	Ex i Wired Barcode Reader interface integrated

Interface Options

B-	1x Ethernet, 1x USBe (Ex e), 2x USBi (IS)
Z-	1x Ethernet, 1x USBe (Ex e), 3x USBi (IS), 1x RS232 (Ex e)

Housing Versions

AG0	No housing, for Panel Mount Version, display front plate stainless steel 1.4301 (304)
AG1	Stainless Steel Housing (1.4301/304), Service opening to the front, hinges on the left side

Mounting Version, Remote Monitor

N	Panel Mount version of Remote Monitor
W	Wall mount version of Panel-PC, including Wall bracket
P	Prepared for Mounting the accessories Pedestal/Wall Arm/Ceiling
B	Prepared for mounting on basic line pedestal

Mounting version keyboard with mouse

-N	No keyboard
-F	Stainless steel keyboard & mouse housing, fixed ergonomically attached
-L	Stainless steel keyboard & mouse housing, fixed vertically attached

Keyboard mouse version

K0	No keyboard
K3	Foil keyboard & mechanical Trackball
K4	Foil keyboard & Touchpad
K6	Foil keyboard & Joystick

Keyboard layout

L0	No keyboard, no mouse
US	Keyboard layout US-international
DE	Keyboard layout German
FR	Keyboard layout French
XX	Other keyboard layout on demand

Options

-N2	ATOM 1.6GHz, 2GB RAM, 16GB CF, RM Shell 3 (WinXp Emb. based, RDP7, VNC, Citrix ICA)
-N3	ATOM 1.6GHz, 2GB RAM, 16GB CF, RM Shell 4 Standard (Win7 based, RDP8, VNC)

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