Features

- Panel PC
- Device installation in Zone 1 and Zone 21
- 15'' Monitor (38.1 cm)
- Network based data transfer via Ethernet
- 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 Panel PCs are especially suitable as standalone solutions or in conjunction with a PLC.

Panel PCs come with all the functionality of PCs.

The Panel PCs run under Windows XP Professional or Windows 7 Ultimate FES. Software packages for control, visualisation and production can thus be easily installed.

CE   ⟨Ex⟩

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

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General specifications	
Type	Panel PC
Hardware	
Processor	1.06 GHz Intel® Core™ 2 Duo
RAM	2 GB
Mass storage	Windows 7: 32 GByte Solid State Drive Windows XP: 16 GByte or 32 GByte Solid State Drive
Supply	
Rated voltage U_n	24 V DC (20 ... 30 V DC)
Power consumption	max. 85 W
Indicators/operating means	
Display	
Screen diagonal	38.1 cm (15")
Resolution	1024 x 768 pixels representable: 640 x 480 up to 1024 x 768 pixels
Color depth	16 Mio.
Contrast	1000:1
Brightness	250 cd/m^2
Reading angle	85° / 85° / 85° / 85°
Life span	50000 h
Input devices	
Touchscreen	Analog resistive touchscreen (optional)
Keyboard	Input device combined with keyboard and optional trackball/touchpad/joystick (optional)
Interface	
Interface type	USB , RS-485, RS-422, RS 232, Ethernet , TTY
Software	
Operating system	Windows XP Professional / Windows 7 Ultimate FES
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. 33 kg
Dimensions	503 x 423 x 142 mm (display) 590 x 700 x 470 mm (surface-mounted case)
Cut out dimensions	432 mm x 355 mm
Data for application in connection with Ex-areas	
EC-Type Examination Certificate	BVS 07 ATEX E 008 X 2nd Edition
Group, category, type of protection	⟨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

PSCAN-D-1*-F2-*

Barcode reader

VisuNet EX1*

Mounting Options "StandardLine" and "BasicLine"

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

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2

Type Code VisuNet EX1 PC

Monitor Type	Screen Type	Ex Protection	Barcode Reader	Housing Versions	Mounting Panel PC	CPU Type	RAM Memory Size	Storage Media	Operating System	Mounting Keyboard & Mouse	Keyboard/Mouse	Keyboard Layout	Options

Monitor Type, Display Size													
PC419	Panel PC 19"												

	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

			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 Panel PC
		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 the basic line Pedestal

			CPU Type
		-D	INTEL Core™ 2 Duo Processor U7500 2M Cache

			RAM Memory Size
		G	2048 MB

			Storage Media
		S2	16 GB Solid State Drive (only with Windows XP Pro)
		S3	32 GB Solid State Drive

			Operating System
		A	Windows XP Pro Multilingual
		F	Windows 7 Ultimate FES, Multilingual

			Mounting Version Keyboard with Mouse
		-N	No Keyboard
		-F	Stainless Steel Keyboard & Mouse housing, ergonomically attached
		-L	Stainless Steel Keyboard & Mouse housing, 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
		US	Keyboard layout US-international
		DE	Keyboard layout German
		FR	Keyboard layout French
		XX	Other keyboard layout on demand

			Options
		-N	No Options

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