

## 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.



<b>General specifications</b>	
Type	Panel PC
<b>Supply</b>	
Rated voltage	24 V DC ( 20 ... 30 V DC )
Power consumption	max. 85 W
<b>Indicators/operating means</b>	
<b>Display</b>	
Screen diagonal	38,1 cm (15 inches)
Resolution	1024 x 768 pixels representable: 640 x 480 up to 1024 x 768 pixels
Color depth	16 Mio.
Contrast	400:1
Brightness	250 cd/m <sup>2</sup>
Reading angle	85° / 85° / 85° / 85°
Life span	50000 h
<b>Input devices</b>	
Touchscreen	Analog resistive touchscreen (optional)
Keyboard	Input device combined with keyboard and optional trackball/touchpad/joystick (optional)
<b>Interface</b>	
Interface type	USB , RS 485, RS 422, RS 232, Ethernet , TTY
<b>Software</b>	
Operating system	Windows XP Professional / Windows 7 Ultimate FES
<b>Ambient conditions</b>	
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)
<b>Mechanical specifications</b>	
Protection degree	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
<b>Data for application in connection with Ex-areas</b>	
EC-Type Examination Certificate	BVS 07 ATEX E 008 X
Group, category, type of protection	 II 2G Ex e mb q [ib] IIC T4  II 2D Ex tD A21 IP64 T85° [ibD]  II 3D Ex tD A22 IP64 T85° [ibD]
<b>International approvals</b>	
IECEx approval	IECEx BVS 08.0030X

**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
<b>Monitor Type, Display Size</b>													
PC415	Panel PC 15"												
PC419	Panel PC 19"												
<b>Screen Type</b>													
E-	Anti-Reflex Glass												
T-	Touchscreen (resistive)												
<b>Ex Protection</b>													
2G	C	ATEX II 2G Ex embq [ib] IIC T4, Gas Ex, Zone 1											
2G + 3D	E	ATEX II 2G3D Ex embq [ib] IIC T4, Ex tD A22 IP64 T85°C, Gas & Dust Ex, Zone 1 & 22 non conductive dust											
2G + 2D	F	ATEX II 2G2D Ex embq [ib] IIC T4, Ex tD A21 IP64 T85°C, Gas & Dust Ex, Zone 1 & 21											
2G	P	IECEX & ATEX II 2G Ex embq [ib] IIC T4, Gas Ex, Zone 1											
2G + 3D	M	IECEX & ATEX II 2G3D Ex embq [ib] IIC T4, Ex tD A22 IP64 T85°C, Gas & Dust Ex, Zone 1 & 22 non conductive dust											
2G + 2D	J	IECEX & ATEX II 2G2D Ex embq [ib] IIC T4, Ex tD A21 IP64 T85°C, Gas & Dust Ex, Zone 1 & 21											
ind	N	Industrial Non-Ex version											
<b>Barcode Reader Interface</b>													
	-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											
<b>Housing Versions</b>													
	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											
<b>Mounting Panel PC</b>													
	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	Pedestal Basicline											
<b>CPU Type</b>													
	-D	INTEL Core™ 2 Duo Processor U7500 2M Cache											
<b>RAM Memory Size</b>													
	G	2048 MB											
<b>Storage Media</b>													
	S2	16 GB Solid State Drive											
	S3	32 GB Solid State Drive											
<b>Operating System</b>													
	A	Windows XP Pro Multilingual											
	F	Windows 7 Ultimate FES, Multilingual											
<b>Mounting Version Keyboard with Mouse</b>													
	-N	No Keyboard											
	-F	Stainless Steel Keyboard & Mouse housing, ergonomically attached											
	-L	Stainless Steel Keyboard & Mouse housing, vertically attached											
	-T	Stainless Steel Keyboard & Mouse housing, desktop version											
<b>Keyboard/Mouse Version</b>													
	K0	No keyboard											
	K3	Foil keyboard & mechanical Trackball											
	K4	Foil keyboard & Touchpad											
	K6	Foil keyboard & Joystick											
<b>Keyboard Layout</b>													
	L0	No keyboard											
	US	Keyboard layout US-international											
	DE	Keyboard layout German											
	FR	Keyboard layout French											
	XX	Other keyboard layout on demand											
<b>Options</b>													
	-N	No Options											

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