Features

- Panel PC
- Device installation in Zone 1 and Zone 21
- 19'' Monitor (48.3 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⟩

General specifications	
Type	Panel PC
Supply	
Rated voltage	24 V DC (20 ... 30 V DC)
Power consumption	max. 85 W
Indicators/operating means	
Display	
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	2000:1
Brightness	300 cd/m^2
Reading angle	89° / 89° / 89° / 89°
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	
Protection degree	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 Ex-areas	
EC-Type Examination Certificate	BVS 07 ATEX E 008 X
Group, category, type of protection	⟨Ex⟩ II 2G Ex e mb q [ib] IIC T4 ⟨Ex⟩ II 2D Ex tD A21 IP64 T85° [ibD] ⟨Ex⟩ II 3D Ex tD A22 IP64 T85° [ibD]
International approvals	
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

Monitor Type, Display Size

PC415	Panel PC 15"
PC419	Panel PC 19"

Screen Type

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

Ex Protection

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

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	Pedestal Basicline

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
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
-T	Stainless Steel Keyboard & Mouse housing, desktop version

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