Panel PC

VisuNet GMP PC219

- PC solution with pre-installed Windows® operating system
- 19 inch monitor (48.3 cm)
- Stainless steel housing with a surface finish of ≤ 0.8 µm
- Easy-to-clean design that complies with GMP guidelines
- IP65 rating of the entire system

19 inch (48.3 cm) panel PC

CE

Function

Visunet GMP devices are operator workstations for use in GMP conditions and come with a manufacturer's declaration of conformity to this effect.
Typical application locations are the pharmaceutical and food industries as well as the production of cosmetics, flavor, and nutrition.
The operator workstations are available as direct monitors, KVM monitors, remote monitors, and as panel PCs.
The panel PCs are especially suitable as stand-alone solutions or in conjunction with a PLC.
Panel PCs come with all the functionality of PCs.
The Panel PCs run under Windows® 7 Ultimate FES (32-bit or 64-bit) or Windows® 10 IoT Enterprise LTSB. Software packages for control, visualization, and production can thus be easily installed.

Connection
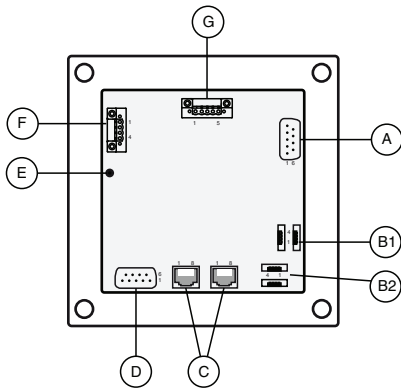
A	Serial interface RS-485 (COM3)
B1	2 x USB for keyboard/mouse
B2	2 x USB (see "Interface" section on datasheet)
C	2x Network RJ-45
D	Serial interface RS-232 (COM1)
E	Ground connection (M4)
F	Power supply socket AC/DC
G	Connection barcode handheld (COM6)

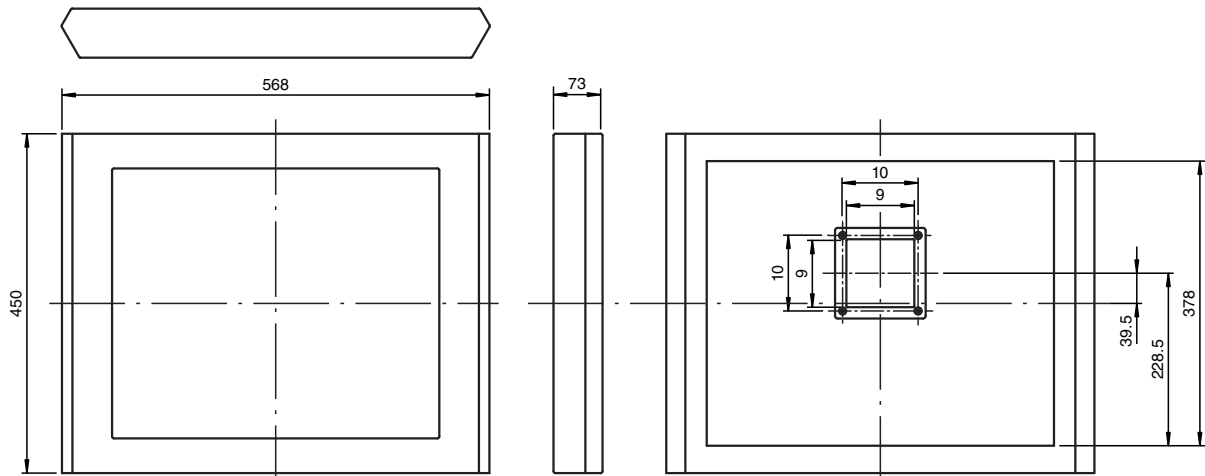Refer to "General Notes Relating to Pepperl+Fuchs Product Information".

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Dimensions

Technical Data

General specifications

Type		Personal Computer

Hardware

Processor		Intel® Atom™ E3826 1.46 GHz
RAM		Up to 8 GB RAM
Mass storage		120 GByte Solid State Drive

Supply

Rated voltage	U_r	24 V DC or 115 V AC / 230 V AC
Input voltage range	U	20 ... 30 V DC or 90 ... 240 V AC
Power consumption		max. 60 W

Indicators/operating means

Display		
Type		Liquid Crystal Display (LCD) with LED backlight
Screen diagonal		48.3 cm (19 inch)
Resolution		1280 x 1024 pixels
Color depth		24-bit color depth (16.7 million colors)
Contrast		2000:1
Brightness		300 cd/m² (nit)
Life span		back lamp life: 50.000 hrs typical half life , at 25 °C (77 °F)
Input devices		optional: projective capacitive, 10 finger multi-touch, glove-friendly optional: analog-resistive Foil keyboard with different pointing device options available (see EXTA3 datasheet)

Electrical specifications

Inrush current		max. 100 A @ 240 VAC approx. 0,5 ms

Interface

Interface type		1 x RS232; 1 x RS485 2 x USB (with option "-C" antiglare safety glass, projective capacitive, 10-finger multi-touch, one USB port is occupied and therefore only 1 x USB is available) 2 x USB (for keyboard/mouse connection) 2 x network RJ45

Compliance with standards and directives

Standard conformity		

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Technical Data

Electrical safety	EN 60950-1 Class I equipment
Software	
Operating system	Microsoft® Windows® 10 IoT Enterprise 2016 LTSB (x 64)
Ambient conditions	
Ambient temperature	0 ... 50 °C (32 ... 122 °F)
Storage temperature	-10 ... 60 °C (14 ... 140 °F)
Relative humidity	max. 85 % non-condensing
Altitude	... 2000 m above MSL (version AC)
Mechanical specifications	
Degree of protection	IP65
Material	
Surface	System housing: stainless steel 1.4301 / AISI 304 except rear panel Rear panel: aluminum 6061 T6 anodized with nickel acetate EXTA3--F--U02-C-10-N hinges: zinc die-cast nickel-plated (Cu-Ni layer system)
Surface quality	$R_a \leq 0.8$ µm
Mounting type	slim line housing see mounting options datasheets: several mounting types (pedestal, wall bracket, wall arm - each turnable or fix) available
Mass	approx. 12 kg
Dimensions	568 mm x 450 mm x 73 mm (monitor)

Accessories

	VisuNet GMP*	
	VISUNET-RM-SHELL5-CC	VisuNet Control Center License Key for RM Shell 5
	VISUNET-RM-SHELL5-DRDC	DRDC License Key for RM Shell 5
	VISUNET-RM-SHELL5-PRO	PRO License Key for RM Shell 5
	EXTA3-*-K1-*	Zone 2 / Division 2 keyboard without mouse
	EXTA3-*-K3-*	Zone 2 keyboard with mechanical trackball mouse
	EXTA3-*-K4-*	Zone 2 / Division 2 keyboard with capacitive touchpad mouse
	EXTA3-*-K6-*	Zone 2 / Division 2 keyboard with joystick mouse
	EXTA3-*-K8-*	Zone 2 / Division 2 keyboard with optical trackball mouse
	EXTA3-*-K9-*	Zone 2 / Division 2 keyboard with resistive touchpad mouse

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Type code VisuNet GMP PC*

Monitor Type	Screen Type	Protection	Board specification	Power supply	Housing frontplate version	Keyboard housing	Keyboard Mouse version	Keyboard Layout	Accessories	Options	
Monitor Type, Display size											
PC219	Panel-PC 19 in										
PC221	Panel-PC 21.5 in										
PC222	Panel-PC 22 in										
	Screen Type										
	E	antiglare glass front									
	T	Touch screen resistive									
	C	Antiglare safety glass, projected capacitive, 10-finger multi-touch									
		Protection									
		GP	Industrial, non-Ex version								
			Board Specification								
			PI	Intel Atom E3826, 1.46 GHz, 8 GB RAM, 120 GB SSD, Windows 10 IoT Enterprise 2016 LTSB (64-bit)							
				Power supply							
				DC	24 V DC						
				AC	115/230 V AC						
					Housing frontplate version						
					SL2N	Slim-Line stainless steel housing					
						Keyboard housing					
						N	no keyboard & mouse housing				
						R	Keyboard & mouse housing, stainless steel				
						C	Keyboard & mouse housing, tiltable 90 ... 180 degrees, stainless steel				
							Keyboard / Mouse version				
							K0	No keyboard			
							K4	Foil keyboard with touchpad			
							K6	Foil keyboard with joystick			
							K8	Foil keyboard with optical trackball			
								Keyboard Layout			
								L0	No keyboard		
								DE	Keyboard layout German		
								US	Keyboard layout US-international		
								XX	More Keyboard layouts by request		
									Special accessories		
									S0	no special accessories	
										Options	
										N	Standard, no options

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