GEFRAN

GF_VEDO ML series

Control panel

Main features

- *Powerful embedded PLC*
- *Scalable*
- *Wide availability of communication ports*
- *Real-time solution*
- *Unique programming software*

Main applications

- *Plastics*
  - *Packing*
  - *Wood*
  - *Metalworking*

CE

PROFILE

The GF_VEDO line of operator terminals is a compact and affordable machine control solution.

A single product integrates a PLC and graphic pages display [SCADA], making the creation of automation solutions extremely rapid and economical.
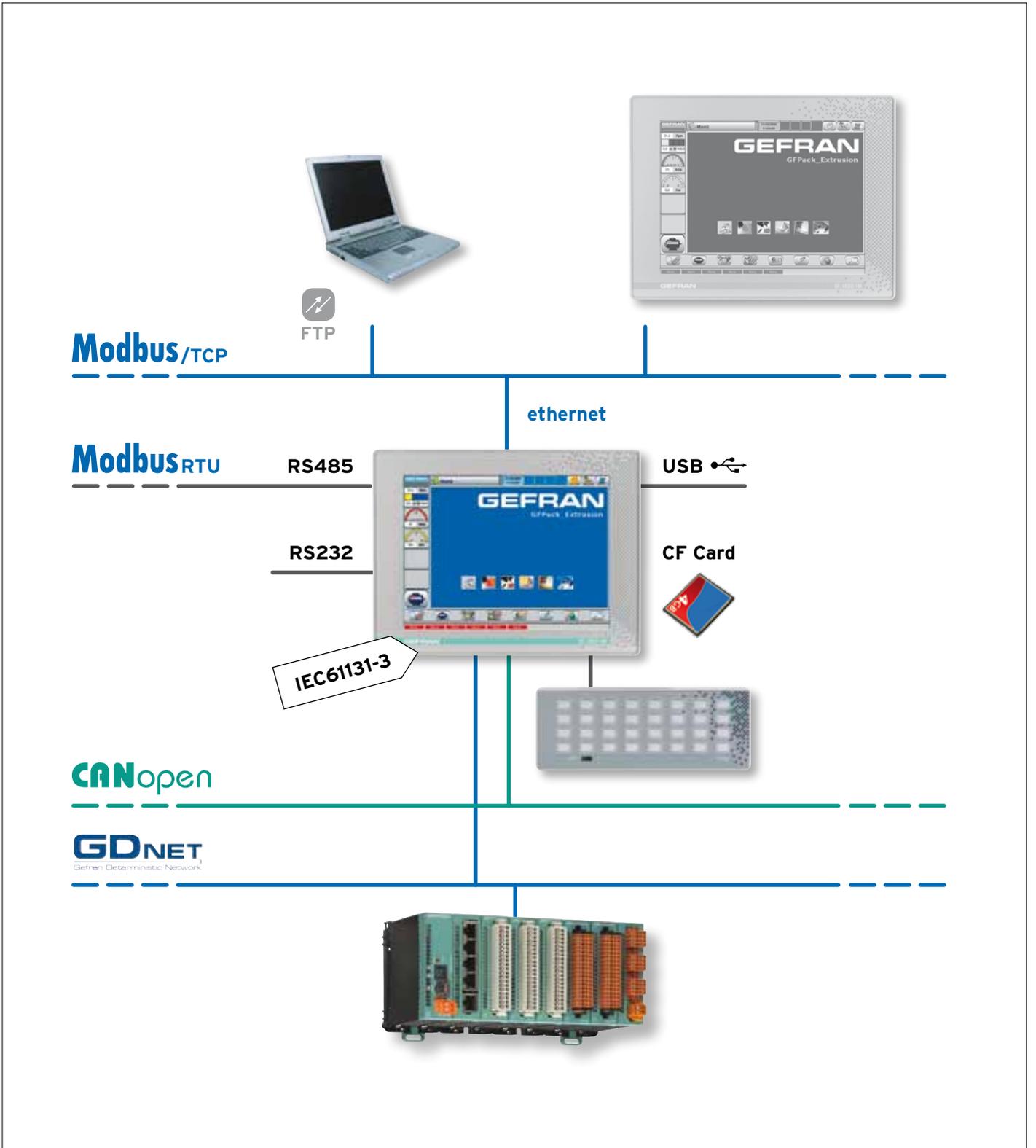
Panel sizes range from 6.5" to 15" with touch screen or integrated keyboard and horizontal or vertical installation.

The panel uses a GEODE 32 bit processor with RAM from a minimum of 256MB to a maximum of 512MB, based on the operating system installed.

Extremely important characteristics are the complete absence of moving parts and a fan-free cooling system.

All of the products are programmable with GF_PROJECT programming environment.

Products based on Windows XPe are available for use of third-party applications as an alternative to products with a real-time operating system.
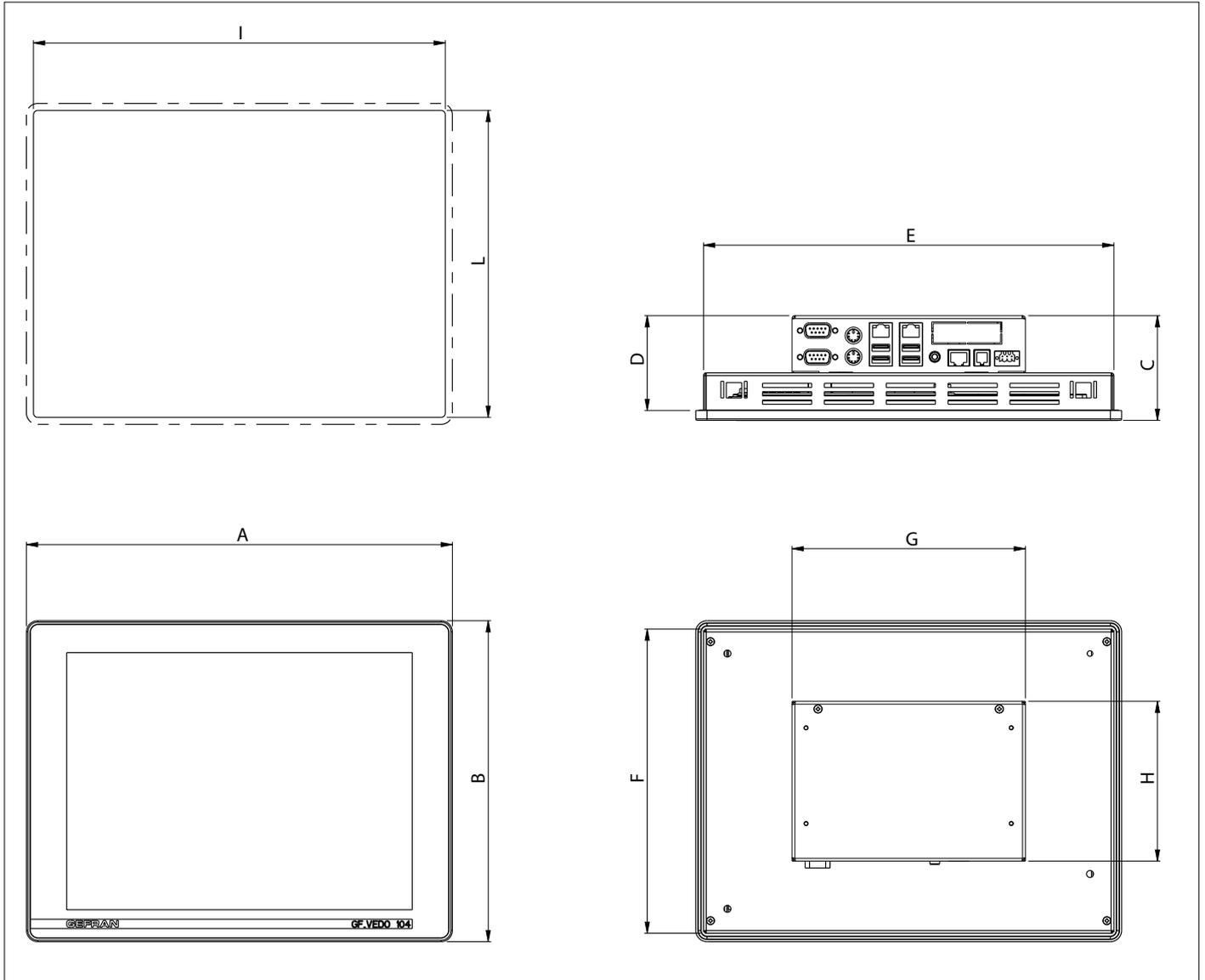
Modbus/TCP

FTP

ethernet

ModbusRTU   **RS485**

USB

GEFRAN

RS232

CF Card

IEC61131-3

CANopen

GDNET
Gefran Deterministic Network

TECHNICAL DATA

GF_VEDO ML		65CT	65CK	104CT	104CK	121CT	150CT
Function		Display control [PLC+HMI]					
Touch		resistive	-	resistive	-	resistive	resistive
Keyboard		NO	YES	NO	YES	NO	NO
	key/led	-	47/1	-	54/1	-	-
Resolution		VGA 640x480		SVGA 800x600		SVGA 800x600	XVGA 1024x768
Backlighting		CCFL		LED		CCFL	CCFL
Processor		32bit Geode LX900, 600 MHz					
Memory		256-512MB DRAM					
Flash memory		1 x CF 1 GB/2GB					
I/O Pheripherals							
	ethernet	2 x 10/100Mbps					
	CAN	1 x CANopen					
	Serials	1xRS232,1xRS485					
	USB	4xUSB2.0 Host					
	PS2	2x mouse/keyboard					
	TF serial	1x machine keyboard					
Models	horizontal	YES	YES	YES	YES	YES	YES
	vertical	-	-	YES	-	YES	YES
Protection		IP65 front, IP20 rear					
Temperature							
	operating	0…+50°C					
	storage	-20°C…+70°C					
Humidity		5…95% HR non condensing					
Power supply		24 VDC ±25%					

Dimensions

See size table for the different models

Table dimensions

Model		frame								dima		
		A	B	C	D	E	F	G	H	I	L	
6.5" touch	65CT	187.0	133.0	75.5	68.0	177.5	125.0	166.0	114.5	179.5	127.0	mm
10.4" touch	104CT	266.0	192.5	68.5	61.0	256.0	182.5	166.0	114.5	258.0	184.0	mm
12,1" touch	121CT	305.0	231.0	76.0	68.0	292.0	218.0	166.0	114.5	295.0	222.0	mm
15" touch	150CT	369.0	273.0	76.0	68.0	356.0	260.0	166.0	114.5	359.0	262.0	mm
6.5" with keypad	65CK	187.0	230.0	76.0	68.0	177.5	220.0	166.0	114.5	180.0	222.0	mm
10.4" with keypad	104CK	266.0	289.0	76.0	68.0	256.0	279.0	166.0	114.5	258.0	281.0	mm
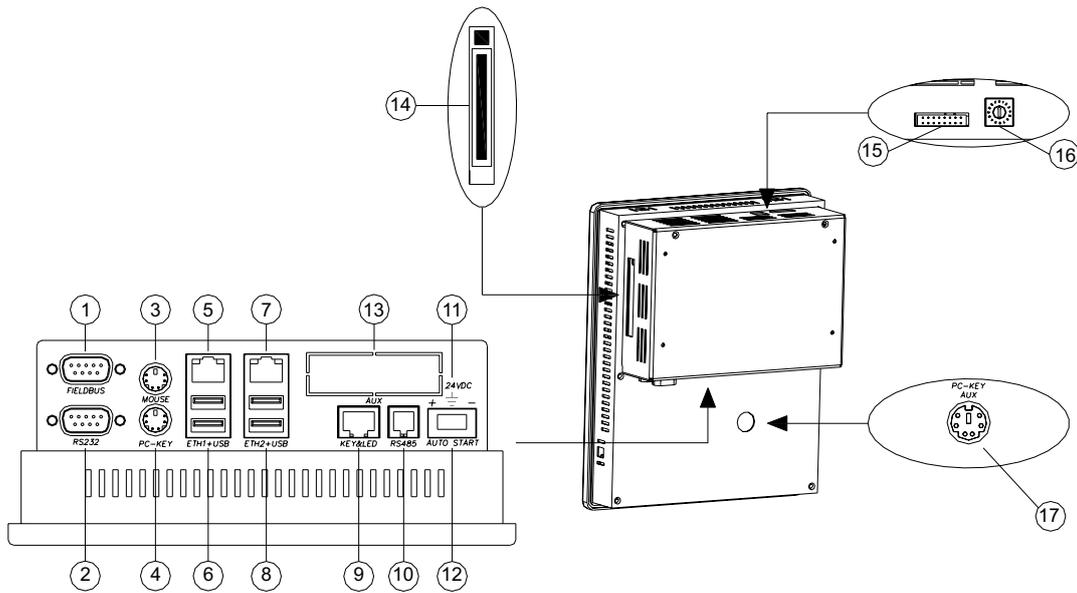
No	Name	Description
1	FIELDBUS	[Optional] -CAN layer 2
2	RS232	Serial RS-232
3	MOUSE	PS/2 Mouse (green)
4	PC-KEY	PS/2 keyboard (violet)
5	ETH1	Ethernet 10/100 Base-T
6	USB	USB 2.0 Host (500 mA)
7	ETH2	Ethernet 10/100 Base-T
8	USB	USB 2.0 Host (500 mA)
9	KEY &LED	Fieldbuses keyboard
10	RS485	RS-485 optically-isolated serial
11	AUTO-START	Auto-on
12	24 V d.c.	Power supply
13	AUX	Slot reserved for future uses
14	CF	Compact Flash
15	BATTERY	Battery jumper
16	ROTARY	Rotary configuration selector
17	PC-KEY	Auxiliary PS/2 keyboard

GF_VEDO ML ☐ ☐ ☐ ☐ ☐

MODEL	
6.5" with keyboard	65CK
6.5" touch	65CT
10.4" with keyboard	104CK
10.4" touch	104CT
12.1" touch	121CT
15" touch	150CT

OPERATING SYSTEM	

VxWorks
  CF: 1GB
  RAM: 256MB
	VW1

VxWorks
  CF: 1GB
  RAM: 512MB
	VW2

WinXP Embedded
  CF: 1GB
  RAM: 256MB
	XE0

WinXP Embedded
  CF: 2GB
  RAM: 512MB
	XE1

EXPANSION 1	
None	00
CANopen + RS232 + Autostart	C1

EXPANSION 2	
None	00
RS232 + Autostart	S1 (*)

LEXAN	
Gefran	G
Neutral	N

(*) only in absence of the expansion1 (C1)

Please, contact GE FRAN sales people for the codes availability.

Keyboards	Fieldbuses keyboard to manage movements	**TF**
Supply	Stabilized supply 100....240Vac/24Vdc, 5A	**GF_PS5**
Software	Integrated programming environment	**GF_Project**

GEFRAN spa reserves the right to make any kind of design or functional modification at any moment without prior notice

CE   In conformity to ECC 2004/108/CE (EMC) and 2006/95/CE (LVD) with reference to: **EN 61131-2** (product) **EN 61010-1** (safety).