GEFRAN

GF VEDO ML 65CK

Operator terminal for machine control



CE

Main features

- 6.5" display
- Resolution 640x480 (VGA)
- · Integrated keyboard
- Field bus connectivity (CANOpen, Modbus RTU, Modbus TCP)
- Ethernet 10/100 BaseT
- Fan less
- Solid State Disk (DOM)
- Programmable with: Gefran Automation Builder VedoWin Scada

Main applications

- Machine control:
 - Plastics
 - Packing
 - Wood
 - Metalworking

PROFILE

The GF_VEDO line of operator terminals offers a compact and economic system for machine control.

Machine cycle control [IEC1131 based Soft PLC] and graphic page display [SCADA] are integrated in a single product.

This integration provides a variety of quick and economical automation solutions.

The GF_VEDO ML 65CK is offered with a 6.5" TFT active matrix display, with resolution of 640x480 pixel (VGA).

The processor belongs to the GEODE family (32 bit), with a minimum of 128 MB to a maximum of 512 MB of RAM, depending on the operating system installed. A extremely important feature is the complete absence of moving parts: a Compact Flash mass memory of various capacity [1GB...2GB] is used, offering maximum safety even in the presence of strong vibration.

A wide range of peripheral I/O is available:

- 1x RS485 optoisolated
- 2xEthernet 10/100 Base-T
- 4xUSB 2.0 (Host)
- Fieldbuses keyboard

- Auto-ON- 1xRS232
- PS/2 Mouse and Keyboard
- 1 x Fieldbus [optional] (CAN Layer 2)
 The product can be ordered with different
 operating systems already installed, such as:
- VxWorks
- Windows XP Embedded

This solution allows the creation of various automation architectures (including real time) and the use of software from other suppliers.

The GF_VEDO family includes products with display from 3.5" to 15", with or without integrated machine keyboards. In addition "ready-to-use" application are available, such as:

- GF_PACK_EXTRUSION extrusion
- GF_PACK_INJECTION injection

TECHNICAL DATA

DISPLAY

Type: TFT Color No. colors: 262.144 Size: 6.5"

Resolution: 640x480 (VGA) Luminosity: 500 cd/m2 Contrast: 450:1

INTEGRATED KEYBOARD

Funktion keys: 15 Page navigation keys: 32

PROCESSOR

Type: AMD GEODE LX900

Frequency: 600 MHZ Core: x86

MEMORY

System memory (DRAM): 128-512 MB

Mass memory

(Compact Flash): 1GB-2GB

OS SUPPORTED

VxWorks

Windows XP Embedded

GENERAL DATA

Front dimensions: 187x230mm 180x222mm

Drilling dimensions:

Weight: 1,3 Kg Front panel protection: IP65

Working temperature: 0...50°C Storage temperature:

-20°C...70°C Humidity: 5...95% non-

condensing (IEC 68-2-3)

Power supply: 24Vdc ±25%,20W

Certifications: CE, UL (awaiting

certification)

ETH1 Ethernet 10/100 Base-T

Type: RJ45 with LEDs Connector:

Name: ETH2

PERIPHERAL I/O

Name:

Ethernet 10/100 Base-T Type:

RJ45 with LEDs Connector:

Name: RS485 Connector: RJ10 4p4c

Optically isolated: YES Baud rate:

9,6...115 kBaud

Name:

Name:

Name:

Name:

Function:

Function:

Connector:

Connector:

Baud rate:

Optoisolata:

Connector:

PC-KEY

6 pin (green)

CAN layer 2

NO

AUX

standard PS2 miniDIN

FIELDBUS [optional]

D-Sub 9 pin male

D-Sub 9-pin male

9,6...115 kBaud

future expansions

Name: USB1 2xUSB 2.0 HOST Type: Connector: Type A (500mA)

Name: USB2

Type: 2xUSB 2.0 HOST Connector: Type A (500mA)

Name: **KEY & LED** Function: Fieldbuses keyboard

RJ45 (without LEDs) Connector:

Optically isolated: NO

Name: <u>AUTOSTART</u> Function: Auto-ON

Connector: 3-pin female, screw-type

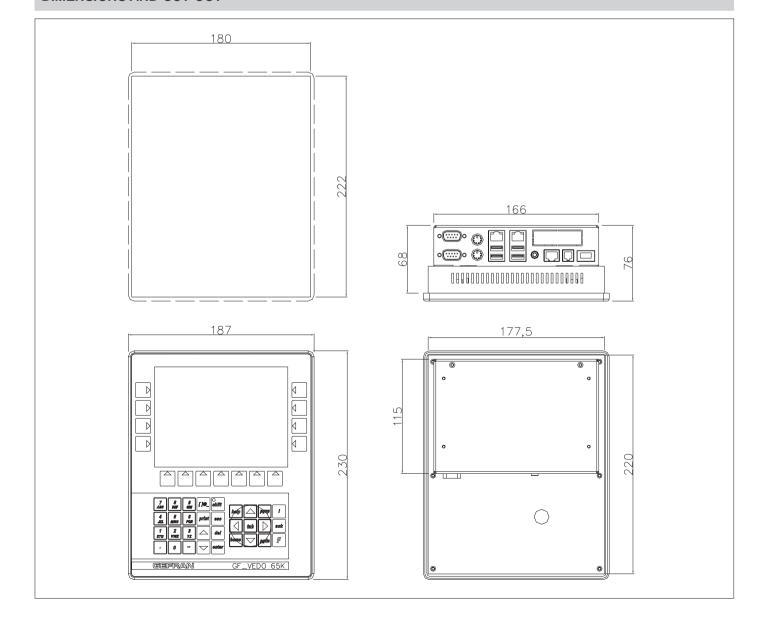
24Vdc ±25%, 100mA

Name: MOUSE

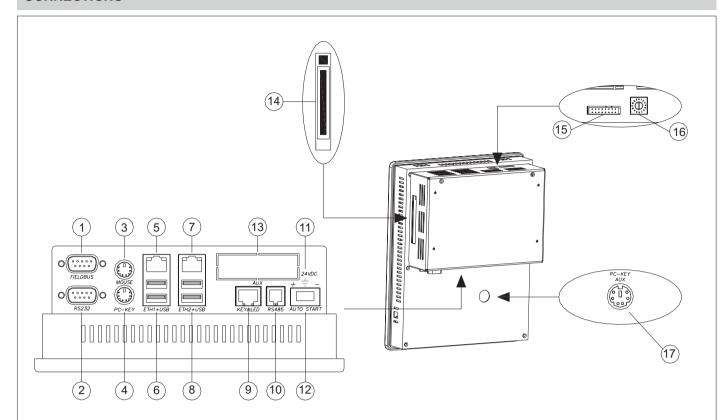
standard PS2 miniDIN Connector:

6 pin (violet)

DIMENSIONS AND CUT OUT

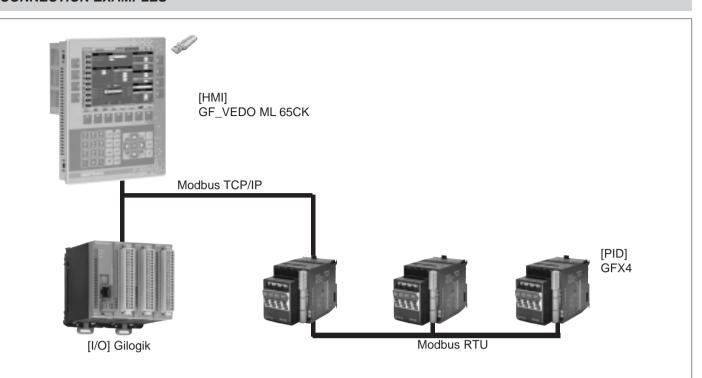


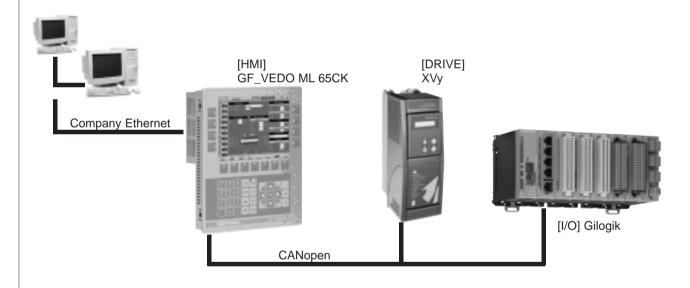
CONNECTIONS

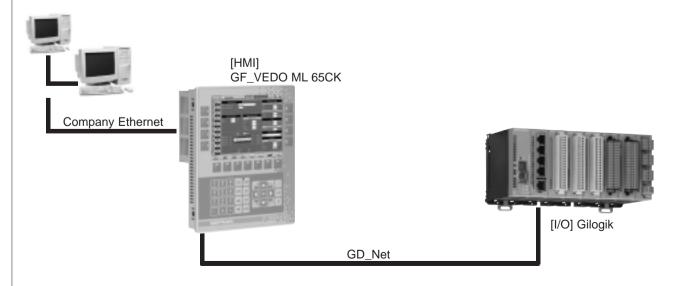


No	Name	Description	
1	FIELDBUS	[Optional]	
		-CAN layer 2	
2	RS232	Serial RS-232	
3	MOUSE	PS/2 Mouse (green)	
4	PC-KEY	PS/2 keyboard (violet)	
5	ETH1	Ethernet 10/100 Base-T	
6	USB	USB 2.0 Host (500mA)	
7	ETH2	Ethernet 10/100 Base-T	
8	USB	USB 2.0 Host (500mA)	
9	KEY &LED	Fieldbuses keyboard	
_10	RS485	RS-485 optically-isolated serial	
11	AUTO-START	Auto-on	
12	24VDC	Power supply	
13	AUX	Reserved for future uses	
14	CF	Compact Flash	
15	BATTERY	Battery jumper	
16	ROTARY	Rotary configuration selector	
17	PC-KEY	Auxiliary PS/2 keyboard	

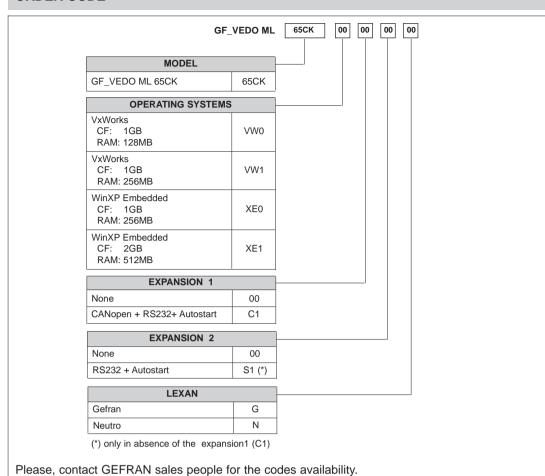
CONNECTION EXAMPLES







ORDER CODE



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

ACCESSORIES

1100200111120			
Keyboards	Fieldbuses keyboard to manage movements	TF32-65 TE5-65	
Supply	Stabilized supply 100240Vac/24Vdc, 5A	GF_PS5	
Software	Preloaded software package for complete management of injection presses	. GF_PACK INJECTION	
	Preloaded software package for complete management of extrusion lines	GF_PACK EXTRUSION	
	Integrated programming environment	Gefran Automation Builder	
	Software platform for SCADA applications	VedoWin	



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



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