



***Touch it!***  
***Touch Panel Family***  
***with Windows® Embedded CE***

# Flexible touch solutions

The **VIPA Touch Panel family** is suitable for all application areas in the factory, process and building automation. Due to the aluminium diecast box, the VIPA Touch Panels are very rugged. With industrial protection IP65 on the front side, these devices can even sustain harsh industrial environment.

The portfolio ranges from 5,7" QVGA monochrome to 12,1" SVGA-TFT color displays. The compact design ensures operation of VIPA Touch Panels also in close space conditions. The panels can be integrated both horizontally and vertically.

## Operating System

With the VIPA Touch Panels the operating systems Windows® CE 5.0 Core or Windows® Embedded CE 6.0 are alternatively included in the scope of delivery. The universally available operating system offers a high degree of availability, flexibility and upgradeability.

## Communication

For the user, besides the serial interfaces RS232, RS485 or RS422 further fieldbus communication systems (MPI, PROFIBUS-DP, USB or Ethernet/TCP/IP) are available for communication. With the integration of these standard interfaces the user is offered highest flexibility and openness which guarantees operation in almost all fields.



## ETHERNET (TCP/IP)

For central data saving or project administration data exchange can take place between the VIPA Touch Panel and superior server clients.

## USB INTERFACES

The USB-A and USB-B interfaces give access to standardized office peripherals like printer, keyboard, Bluetooth and wireless LAN.

## VIPA TOUCH PANEL FAMILY - TECHNICAL OVERVIEW

Type	TP 605LQS TP605LQE	TP 605MQ	TP 605CQ
<b>Processor</b>	XSCALE 520MHz	XSCALE 520MHz	XSCALE 520MHz
<b>Display</b> - Size - Resolution (Pixel) - Colors - MTBF backlight (at 25°C)	STN LCD monochrome (b/w) 5,7" 320 x 240 / 240 x 320 16 graded about 75.000 h	STN LCD monochrome (b/w) 5,7" 320 x 240 / 240 x 320 16 graded about 75.000 h	TFT color 5,7" 320 x 240 / 240 x 320 64K-colors about 50.000 h
<b>Peripherals</b> - Mouse, keyboard via	Touchscreen resistive -	Touchscreen resistive USB	Touchscreen resistive USB
<b>Memory</b> - Storage-/work memory  - Available memory for user data - CF Card Slot Typ II - SD/MMC Push-Push-Slot	32MB Flash / 64MB RAM  0MByte - yes	32MB Flash / 64MB RAM  0MByte yes yes	32MB Flash / 64MB RAM  0MByte yes yes
<b>Interfaces</b> - Port1. -MPI, 12Mbits, Profibus-DP, serial  - Port2. - serial - Port3. - serial - USB - Ethernet	1 x MPI/Profibus-DP slave isolated only TP 605LQS - - 1 x USB-B 10/100, RJ45 only TP 605LQE	1 x MPI/Profibus-DP slave isolated 1 x RS232 1 x RS422/485 isolated 1 x USB-A, 1 x USB-B 10/100, RJ45	1 x MPI/Profibus-DP slave, isolated 1 x RS232 1 x RS422/485 isolated 1 x USB-A, 1 x USB-B 10/100, RJ45
<b>Supply voltage</b> - Admissible range - Nominal current	DC24V 0.4A	DC24V 0.4A	DC24V 0.45A
<b>Clock</b>	Hardware clock, battery-backed	Hardware clock, battery-backed	Hardware clock, battery-backed
<b>Case</b> - Fixing - Front side - Back side	Aluminium diecast case 4 x integrated pivoted lever IP 65 IP 20	Aluminium diecast case 4 x integrated pivoted lever IP 65 IP 20	Aluminium diecast case 4 x integrated pivoted lever IP 65 IP 20
<b>Measurements/Weights</b> - Cover W x H (mm) - Integration cut-out/-depth W x H x T (mm) - Weight (kg)	212 x 156 200 x 144 x 37 <sup>1)</sup> 1.2	212 x 156 200 x 144 x 37 <sup>1)</sup> 1.2	212 x 156 200 x 144 x 37 <sup>1)</sup> 1.2
<b>Integration environment</b> - Installation position - Operating temperature (horizontally/vertically) - Relative humidity, max. - Transportation-, storing temperature	Horizontally/vertically 0 up to +50°C 85% -20 up to +60°C	Horizontally/vertically 0 up to +50°C 85% -20 up to +60°C	Horizontally/vertically 0 up to +50°C 85% -20 up to +60°C
<b>VIPA-Order-No.:</b>	62F-CCBo <sup>3)</sup> 62F-DCBo <sup>3)</sup>	62F-ECBo <sup>3)</sup>	62F-FCBo <sup>3)</sup>

1) Front Panel cutting ≙ Siemens TP 170, MP177 or similar

2) Front Panel cutting = Siemens MP270, 10"/MP370, 12"/MP377, 12"

3) incl. Windows®CE 5.0 Core

4) incl. Wi

# VIPA Touch Panels mechanical structure



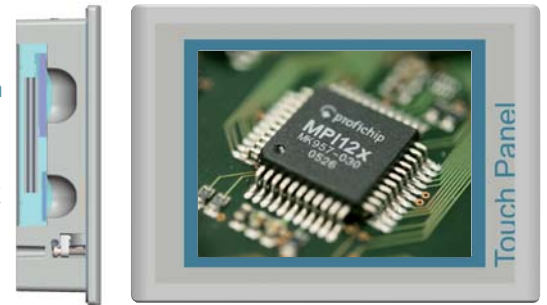
Patented fastening

Compact Flash

SD/MMC

Cover

SD/MMC memory cards are visibly covered and protected from falling out.



RS 422/485

RS 232

MPI, PROFIBUS

USB-A

USB-B

Ethernet

10/100

Power

TP 606C-1	TP 606C-2	TP 608C	TP 610C	TP 612C
XSCALE 520MHz	XSCALE 800MHz	XSCALE 800MHz	XSCALE 800MHz	XSCALE 800MHz
TFT color 6,5" 640 x 480 / 480 x 640 64K-colors about 50.000 h		TFT color 8,4" 800 x 600 / 600 x 800 64K-colors about 50.000 h	TFT color 10,4" 800 x 600 / 600 x 800 64K-colors about 50.000 h	TFT color 12,1" 800 x 600 / 600 x 800 64K-colors about 50.000 h
Touchscreen resistive USB		Touchscreen resistive USB	Touchscreen resistive USB	Touchscreen resistive USB
32MB Flash / 64MB RAM 0MByte yes yes	2GByte Flash / 128MByte RAM about 1900MByte yes yes	2GByte Flash / 128MByte RAM about 1900MByte yes yes	2GByte Flash / 128MByte RAM about 1900MByte yes yes	2GByte Flash / 128MByte RAM about 1900MByte yes yes
1 x MPI/Profibus-DP slave, isolated 1 x RS232 1 x RS422/485 isolated 1 x USB-A, 1 x USB-B 10/100, RJ45		1 x MPI/Profibus-DP slave, isolated 1 x RS232 1 x RS422/485 isolated 1 x USB-A, 1 x USB-B 2 x 10/100, RJ45 (switch)	1 x MPI/Profibus-DP slave, isolated 1 x RS232 1 x RS422/485 isolated 2 x USB-A, 1 x USB-B 2 x 10/100, RJ45 (switch)	1 x MPI/Profibus-DP slave, isolated 1 x RS232 1 x RS422/485 isolated 2 x USB-A, 1 x USB-B 2 x 10/100, RJ45 (switch)
DC24V 0.5A		DC24V 0.6A	DC24V 0.7A	DC24V 0.8A
Hardware clock, battery-backed		Hardware clock, battery-backed	Hardware clock, battery-backed	Hardware clock, battery-backed
Aluminium diecast case 4 x integrated pivoted lever IP 65 IP 20		Aluminium diecast case 8 x integrated pivoted lever IP 65 IP 20	Aluminium diecast case 9 x integrated pivoted lever IP 65 IP 20	Aluminium diecast case 10 x integrated pivoted lever IP 65 IP 20
212 x 156 200 x 144 x 37 <sup>1)</sup> 1.3		264 x 189 250 x 175 x 43 1.5	304 x 233 287 x 217 x 45 1.8	335 x 263 311 x 249 x 45 <sup>2)</sup> 2.1
Horizontally/vertically 0 up to +50°C 85% -20 up to +60°C		Horizontally/vertically 0 up to +50°C 85% -20 up to +60°C	Horizontally/vertically 0 up to +50°C 85% -20 up to +60°C	Horizontally/vertically 0 up to +50°C 85% -20 up to +60°C
62G-FCBo <sup>3)</sup>	62G-FEEo <sup>4)</sup>	62I-IEEo <sup>4)</sup>	62K-JEEo <sup>4)</sup>	62M-JEEo <sup>4)</sup>

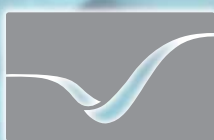
# Microsoft® Windows® Embedded CE

Features	Windows® CE 5.0 Core	Windows® Embedded CE 6.0
Web-Server	+	+
VNC-Server	+	+
FTP-Server	+	+
RAS-Server	-	+
Telnet	+	+
ActiveSync File Transfer (USB, RS232C)	+	+
RDP (Remote Desktop Protocol)	-	+
Internet Explorer 6	-	+
Registry Editor	+	+
WordPad	-	+
Maus-Zeiger	-	+
USB-Tastatur-Treiber	+	+
HP-Drucker-Treiber (COM, Ethernet, USB)	+	+
Datei Viewer: Word, Excel, Powerpoint, PDF	-	+
VIPA Startup-Manager	+	+



## Order example

Operating system - please choose:		
<b>Windows® CE 5.0 Core</b> for Touch Panel with XScale, 520 MHz	A	
<b>Windows® Embedded CE 6.0</b> for Touch Panel with XScale, 800 MHz	C	
Runtime - please choose:		
<b>without Runtime</b>		X
<b>MoviconX</b> for Touch Panel with Windows® CE 5.0 Core or Windows® Embedded CE 6.0		A
<b>Movicon11.2</b> for Touch Panel with Windows® CE 5.0 Core or Windows® Embedded CE 6.0		B
<b>zenon6.22</b> 256 Tags, for Touch Panel with Windows® CE 5.0 Core or Windows® Embedded CE 6.0		Y
<b>zenon6.51</b> 256 Tags, for Touch Panel with Windows® CE 5.0 Core or Windows® Embedded CE 6.0		Z
Example order number (Touch Panel + operating system + Runtime)		
62G-FCB0-AB	62G-FCB0-	A B



**zenon®**  
do it your way

**Movicon®**  
Real Flexible

SW615E1MC	zenon 6.51 Editor for Windows CE projects, incl. USB dongle, up to 256 tags
Z	<b>zenOn 6.51-Runtime up to 256 tags</b> (Touch Panel basic software)
SW515R1LCU2	zenOn 6.51-Runtime - <b>Upgrade from 256 tags to 512 tags</b>
SW515R1LCU3	zenOn 6.51-Runtime - <b>Upgrade from 256 tags to 1024 tags</b>
SW515R1LCU4	zenOn 6.51-Runtime - <b>Upgrade from 256 tags to 2048 tags</b>
SW515R1LCU5	zenOn 6.51-Runtime - <b>Upgrade from 256 tags to 4096 Tags</b> (only in combination with VIPA Touch Panels and Windows Embedded CE 6.0)

A	<b>MoviconX Runtime</b> (Touch Panel basic software)
B	<b>Movicon11.2 Runtime</b> (Touch Panel basic software)