



Touch it!
Touch Panel Family
Windows® CE 5.0 included



VIPA®
art of automation

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 monochromes to 12,1" SVGA-TFT colour 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 or Windows® CE 5.0 Professional Plus 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/RS422 further field-bus communication systems (MPI, CAN, 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 Serverclients.

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 TP 605CQ CAN
Processor	XSCALE 520MHz	XSCALE 520MHz	XSCALE 520MHz
Display - 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 (bw) 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
Peripherals - Mouse, Keyboard via	Touchscreen resistiv -	Touchscreen resistiv USB	Touchscreen resistiv USB
Memory - Type - Available memory for user data - CF Card Slot Typ II - SD/MMC Push-Push-Slot	Flash / RAM about 6MByte - yes	Flash / RAM about 6MByte yes yes	Flash / RAM about 6MByte yes yes
Interfaces - Port1. -MPI, 12Mbits, Profibus DP, serial / CAN ³⁾ - Port2. - serial - Port3. - serial - Port4. - serial - USB - Ethernet	1xRS485 isolated only TP605LQS - - - 1 x USB.B 10/100, RJ45 only TP 605LQE	1 x RS485 isolated 1 x RS232 1 x RS422/485 isolated - 1 x USB.A, 1 x USB.B 10/100, RJ45	1 x RS485 or CAN, isolated 1 x RS232 1 x RS422/485 isolated - 1 x USB.A, 1 x USB.B 10/100, RJ45
Supply voltage - admissible range - Nominal current	DC24V 0.4A	DC24V 0.4A	DC24V 0.45A
Clock	Hardware clock, battery backed	Hardware clock, battery backed	Hardware clock, battery backed
Case - 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
Measurements/Weights - 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 ¹⁾ 1,2	212 x 156 200 x 144 x 37 ¹⁾ 1,2	212 x 156 200 x 144 x 37 ¹⁾ 1,2
Integration environment - Installation position - Operating temperature (horizontally/vertically) - Relative humidity, max. - Transportation-, storing temperature	Horizontally/Vertically 0 bis +50°C 85% -20 bis +60°C	Horizontally/Vertically 0 bis +50°C 85% -20 bis +60°C	Horizontally/Vertically 0 bis +50°C 85% -20 bis +60°C
VIPA-Order-No.:	VIPA 605-1BL00 VIPA 605-1BL30	VIPA 605-1BM00	VIPA 605-1BC00 VIPA 605-1BC40 ²⁾

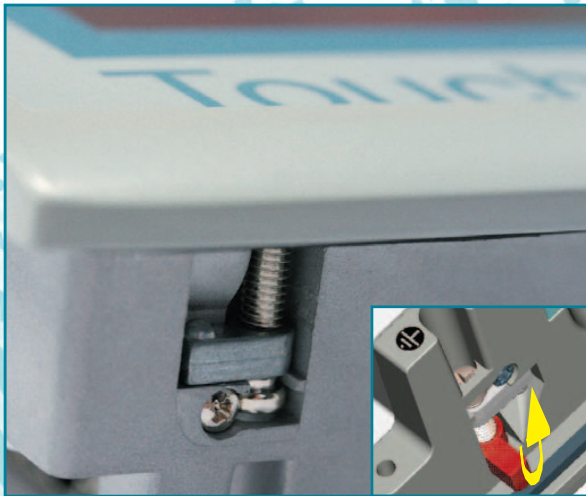
1) Front Panel cutting ≙ Siemens TP 170 or similar

2) CAN - driver for zenOn 6,20 in preparation

3) CAN - physical layer definition: ISO 11898-2

4) Front Panel cutting ≙ Siemens

VIPA Touch Panels mechanical structure



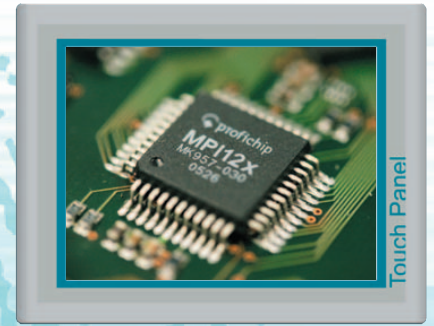
Patented fastening

Compact Flash

SD/MMC

Cover

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



RS 422
RS 232
MPI, Profibus,
RS 485 or CAN
USB-A
USB-B
Ethernet
10/100
Power

TP 606C	TP 608C TP 608C CAN	TP 610C	TP 612C
XSCALE 520MHz	XSCALE 520MHz	XSCALE 520MHz	XSCALE 520MHz
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 resistiv USB	Touchscreen resistiv USB	Touchscreen resistiv USB	Touchscreen resistiv USB
Flash / RAM about 6MByte yes yes	Flash / RAM about 6MByte yes yes	Flash / RAM about 6MByte yes yes	Flash / RAM about 6MByte yes yes
1 x RS485 or CAN, isolated 1 x RS232 1 x RS422/485 isolated - 1 x USB.A, 1 x USB.B 10/100, RJ45	1 x RS485 or CAN, 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 RS485 or CAN, 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 RS485 isolated 1 x RS232 1 x RS422/485 isolated 1 x RS232 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 ¹⁾ 1,3	264 x 189 250 x 175 x 43 1,5	304 x 233 287 x 217 x 45 1,8	335 x 275 311 x 249 x 45 ⁴⁾ 2,1
Horizontally/Vertically 0 bis +50°C 85% -20 bis +60°C	Horizontally/Vertically 0 bis +50°C 85% -20 bis +60°C	Horizontally/Vertically 0 bis +50°C 85% -20 bis +60°C	Horizontally/Vertically 0 bis +50°C 85% -20 bis +60°C
VIPA 606-1BC00 VIPA 606-1BC40 ²⁾	VIPA 608-1BC00 VIPA 608-1BC40 ²⁾	VIPA 610-1BC00 VIPA 610-1BC40 ²⁾	VIPA 612-1BC00

1) MP270, 10"/MP370, 12" o.ä.

Touch Panel



FEATURES

Features	Windows® CE 5.0 Core	Windows® CE 5.0 Professional Plus*
Web-Server	+	+
VNC-Server	+	+
FTP-Server	+	+
RAS-Server	-	+
Telnet	+	+
ActiveSync File Transfer (USB, RS232C, Ethernet)	+	+
RDP (Remote Desktop Protocol)	-	+
Internet Explorer 6	-	+
Registry Editor	+	+
WordPad	-	+
Mouse Pointer	-	+
USB Keyboard Driver	+	+
HP Printer Driver (COM, Ethernet, USB)	+	+
Bluetooth USB-Stick support (Keyboard, Mouse, Modem, Network)	-	+
WLAN Support (CF-Card, USB-Stick)	+	+
File Viewers: Word, Excel, Powerpoint, PDF	-	+
VIPA Startup-Manager	+	+

* for surcharge



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