



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 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 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 (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
Peripherals - Mouse, Keyboard via	Touchscreen resistive -	Touchscreen resistive USB	Touchscreen resistive USB
Memory - Size/Type - Available memory for user data - CF Card Slot Typ II - SD/MMC Push-Push-Slot	32MB Flash / 64MB RAM about 6MByte - yes	32MB Flash / 64MB RAM about 6MByte yes yes	32MB Flash / 64MB RAM about 6MByte yes yes
Interfaces - Port1. -MPI, 12Mbits, Profibus DP, serial / CAN ³⁾ - Port2. - serial - Port3. - serial - Port4. - 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 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 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
VIPA-Order-No.:	VIPA 605-1BL00 VIPA 605-1BL30	VIPA 605-1BM00	VIPA 605-1BC00 VIPA 605-1BC40 ²⁾

1) Front Panel cutting ¹⁾ Siemens TP 170 or similar 2) CAN - driver for zenOn 6,21 in preparation

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

4) Front Panel cutting = Sie

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,
or CAN

USB-A

USB-B

Ethernet
10/100

Power

TP 606C TP 606C CAN	TP 608C TP 608C CAN	TP 610C TP 610C CAN	TP 612C
XSCALE 520MHz	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 about 6MByte yes yes	1GByte Flash / 128MByte RAM ca. 900MByte yes yes	1GByte Flash / 128MByte RAM ca. 900MByte yes yes	1GByte Flash / 128MByte RAM ca. 900MByte yes yes
1 x MPI/Profibus-DP slave or CAN, isolated 1 x RS232 1 x RS422/485 isolated -	1 x MPI/Profibus-DP slave or CAN, isolated 1 x RS232 1 x RS422/485 isolated -	1 x MPI/Profibus-DP slave or CAN, isolated 1 x RS232 1 x RS422/485 isolated -	1 x MPI/Profibus-DP slave isolated 1 x RS232 1 x RS422/485 isolated 1 x RS232 2x USB-A, 1 x USB-B 2 x 10/100, RJ45 (switch)
1 x USB-A, 1 x USB-B 10/100, RJ45	1 x USB-A, 1 x USB-B 2 x 10/100, RJ45 (switch)	2x 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 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
VIPA 606-1BC00 VIPA 606-1BC40 ²⁾	VIPA 608-1BC01 ⁵⁾ VIPA 608-1BC41 ^{2,5)}	VIPA 610-1BC01 ⁵⁾ VIPA 610-1BC41 ^{2,5)}	VIPA 612-1BC01 ⁵⁾

mens MP270, 10"/MP370, 12" or the like⁵⁾ incl. Windows®CE 5.0 Professional Plus

Touch Panel

Options:

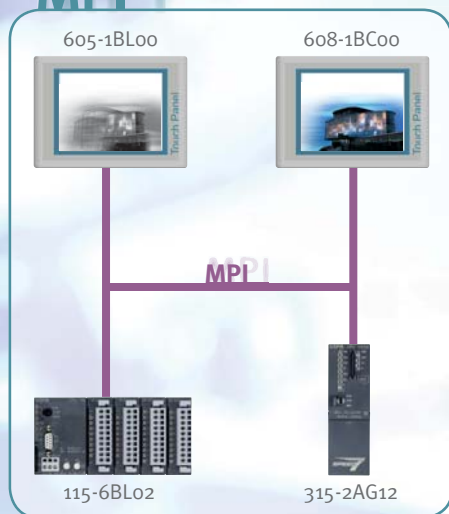
SW260	TP6xx PLC-Tool-CE Load-, test-, diagnosis tool for S7 controllers on VIPA Touch Panels with Windows CE®5.0, S7 communication with MPI, Profibus-DP and Ethernet. also usable with Commandline-Interface.
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Features	Windows® CE 5.0 Core	Windows® CE 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 Viewer: Word, Excel, Powerpoint, PDF	-	+
VIPA Startup-Manager	+	+

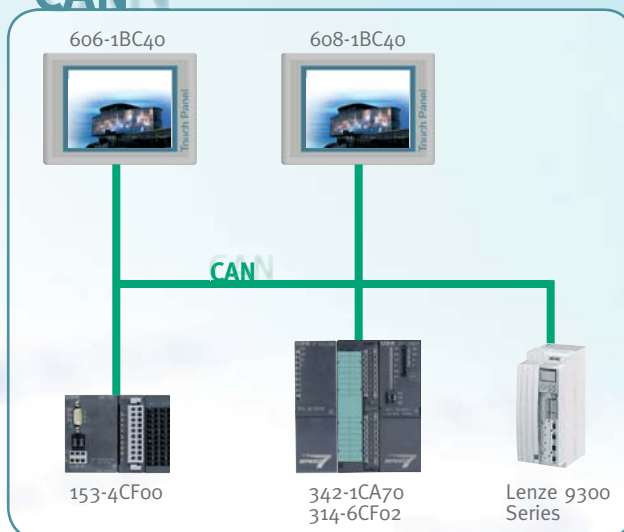
* for surcharges

Applications example:

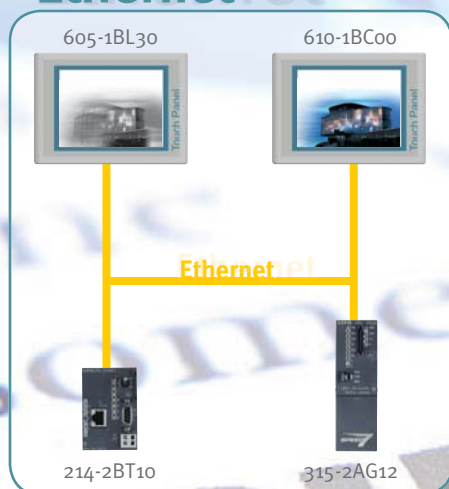
MPI



CAN



Ethernet



Profibus-DP



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