



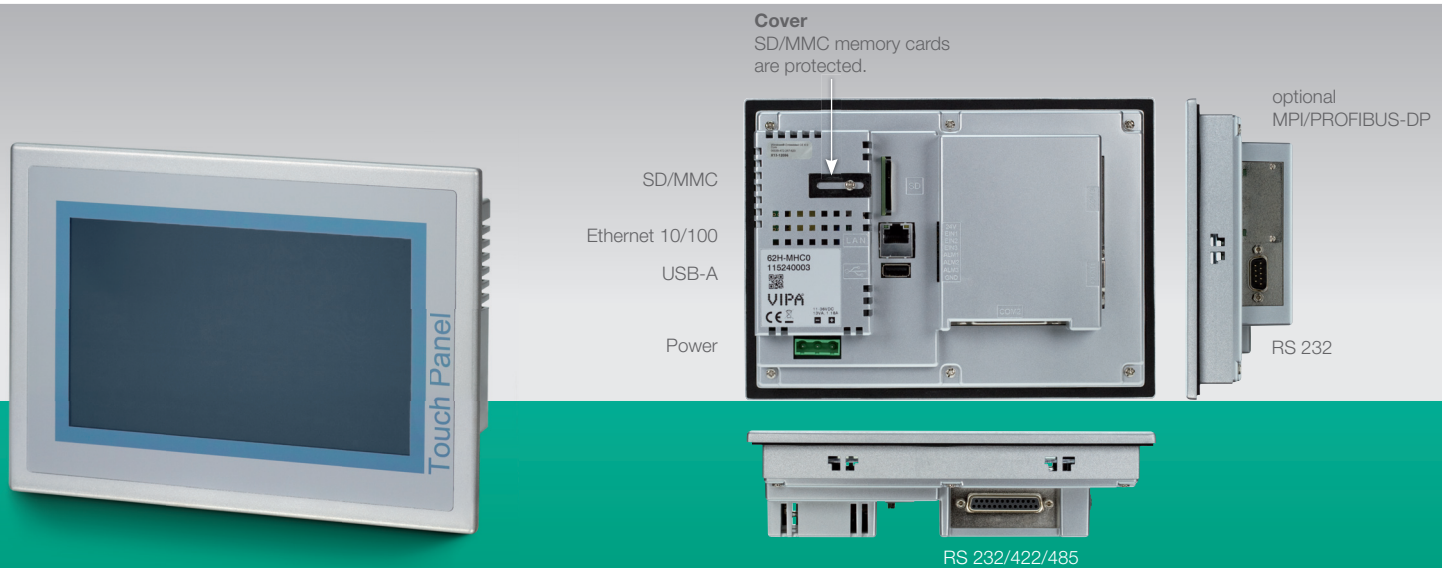
VIPA professional Panel

VIPA eco Panel

# Touch it!

Touch Panel Family with Windows® Embedded CE

# VIPA eco Panel



## VIPA TOUCH PANEL FAMILY - TECHNICAL OVERVIEW

| Type  | TP604LC                        | TP607LC                        |
|---|--------------------------------|--------------------------------|
| <b>Processor</b>                                  | ARM11, 533 MHz                 | ARM11, 533 MHz                 |
| <b>Operating system</b>                           | Windows® Embedded CE 6.0 Core  | Windows® Embedded CE 6.0 Core  |
| <b>Display</b>                                    | TFT Wide Touch Screen          | TFT Wide Touch Screen          |
| - Size  | 4,3"                           | 7"                             |
| - Resolution (Pixel)                              | 480 x 272                      | 800 x 480                      |
| - Colors  | 65,536                         | 65,536                         |
| - MTBF backlight (at 25°C)                        | about 30,000 h                 | about 50,000 h                 |
| <b>Peripherals</b>                                | Touchscreen resistive          | Touchscreen resistive          |
| - Mouse, keyboard via                             | USB                            | USB                            |
| <b>Memory</b>                                     | 128MB / 128MB                  | 128MB / 128MB                  |
| - Storage-/work memory                            | SD/MMC                         | SD/MMC                         |
| - SD/MMC Push-Push-Slot                           |                                |                                |
| <b>Interfaces</b>                                 |                                |                                |
| - Port1. -MPI, 12Mbits, Profibus-DP, serial       | optional                       | optional                       |
| - Port2. - serial                                 | 1x RS232 (DB9)                 | 1x RS232 (DB9)                 |
| - Port3. - serial                                 | 1x RS232/422/485 (DB25)        | 1x RS232/422/485 (DB25)        |
| - USB   | 1 x USB-A                      | 1 x USB-A                      |
| - Ethernet  | 1x Ethernet 10/100, RJ45       | 1x Ethernet 10/100, RJ45       |
| <b>Supply voltage</b>                             |                                |                                |
| - Admissable range                                | DC24V                          | DC24V                          |
| - Nominal current                                 | 0.25A                          | 0.35A                          |
| <b>Clock</b>                                      | Hardware clock, battery-backed | Hardware clock, battery-backed |
| <b>Case</b>                                       | insulated housing              | insulated housing              |
| - Front side                                      | IP 65                          | IP 65                          |
| - Back side                                       | IP 20                          | IP 20                          |
| <b>Measurements/Weights</b>                       |                                |                                |
| - Cover W x H (mm)                                | 140 x 116                      | 212 x 156                      |
| - Integration cut-out/-depth W x H x T (mm)       | 123 x 99 <sup>1)</sup>         | 197 x 141 <sup>2)</sup>        |
| - Weight (kg)                                     | 0.5                            | 1.3                            |
| <b>Integration environment</b>                    |                                |                                |
| - Installation position                           | Horizontally/vertically        | Horizontally/vertically        |
| - Operating temperature (horizontally/vertically) | 0 up to +50°C                  | 0 up to +50°C                  |
| - Relative humidity, max.                         | 10% - 90%                      | 10% - 90%                      |
| - Transportation-, storing temperature            | -20 up to +60°C                | -20 up to +60°C                |
| <b>VIPA-Order-No.:</b>                            | 62E-MDC0-DH                    | 62H-MDC0-DH                    |

1) Front Panel cutting  $\hat{=}$  Siemens KTP400 or similar

2) Front Panel cutting  $\hat{=}$  Siemens TP170 / MP177

3) Front Panel cutting  $\hat{=}$  Siemens

# VIPA professional Panel



| TP 605CQ   |                        | TP 606C | TP 608C   | TP 610C   | TP 612C   |
|--|------------------------|---------|---|---|---|
| XSCALE 800MHz  |                        |         | XSCALE 800MHz   | XSCALE 800MHz   | XSCALE 800MHz   |
| Windows® Embedded CE 6.0 Prof.   |                        |         | Windows® Embedded CE 6.0 Prof.  | Windows® Embedded CE 6.0 Prof.  | Windows® Embedded CE 6.0 Prof.  |
| TFT color<br>5,7"  | TFT color<br>6,5"      |         | TFT color<br>8,4"   | TFT color<br>10,4"  | TFT color<br>12,1"  |
| 320 x 240  | 640 x 480              |         | 800 x 600   | 800 x 600   | 800 x 600   |
| 64K-colors   | 64K-colors             |         | 64K-colors  | 64K-colors  | 64K-colors  |
| about 50,000 h   | about 50,000 h         |         | about 50,000 h  | about 50,000 h  | about 50,000 h  |
| Touchscreen resistive<br>USB   |                        |         | Touchscreen resistive<br>USB  | Touchscreen resistive<br>USB  | Touchscreen resistive<br>USB  |
| 2GByte Flash / 128MByte RAM<br>CF + SD/MMC   |                        |         | 2GByte Flash / 128MByte RAM<br>CF + SD/MMC  | 2GByte Flash / 128MByte RAM<br>CF + SD/MMC  | 2GByte Flash / 128MByte RAM<br>CF + SD/MMC  |
| 1x MPI/Profibus-DP slave, isolated<br>1x RS232<br>1x RS422/485 isolated<br>1x USB-A, 1 x USB-B<br>1x Ethernet 10/100, RJ45 |                        |         | 1x MPI/Profibus-DP slave, isolated<br>1x RS232<br>1x RS422/485 isolated<br>1x USB-A, 1 x USB-B<br>2x Ethernet 10/100, RJ45 (switch) | 1x MPI/Profibus-DP slave, isolated<br>1x RS232<br>1x RS422/485 isolated<br>2x USB-A, 1 x USB-B<br>2x Ethernet 10/100, RJ45 (switch) | 1x MPI/Profibus-DP slave, isolated<br>1x RS232<br>1x RS422/485 isolated<br>2x USB-A, 1 x USB-B<br>2x Ethernet 10/100, RJ45 (switch) |
| DC24V<br>0.5A  |                        |         | DC24V<br>0.6A   | DC24V<br>0.7A   | DC24V<br>0.8A   |
| Hardware clock, battery-backed   |                        |         | Hardware clock, battery-backed  | Hardware clock, battery-backed  | Hardware clock, battery-backed  |
| Aluminium diecast case<br>IP 65<br>IP 20   |                        |         | Aluminium diecast case<br>IP 65<br>IP 20  | Aluminium diecast case<br>IP 65<br>IP 20  | Aluminium diecast case<br>IP 65<br>IP 20  |
| 212 x 156<br>200 x 144 x 37 <sup>2)</sup><br>1.3   |                        |         | 264 x 189<br>250 x 175 x 43<br>1.5  | 304 x 233<br>287 x 217 x 45<br>1.8  | 335 x 263<br>311 x 249 x 45 <sup>3)</sup><br>2.1  |
| Horizontally/vertically<br>0 up to +50°C<br>85%<br>-20 up to +60°C   |                        |         | Horizontally/vertically<br>0 up to +50°C<br>85%<br>-20 up to +60°C  | Horizontally/vertically<br>0 up to +50°C<br>85%<br>-20 up to +60°C  | Horizontally/vertically<br>0 up to +50°C<br>85%<br>-20 up to +60°C  |
| 62F-FEE0 <sup>4)</sup>   | 62G-FEE0 <sup>4)</sup> |         | 62I-IEE0 <sup>4)</sup>  | 62K-JEE0 <sup>4)</sup>  | 62M-JEE0 <sup>4)</sup>  |



### Safety of investment

integrated project planning of Windows® Embedded CE up to Windows® 7 (Win32/64).

### Safety to progress

totally open architecture of XML based projects, OPC XML DA client and Server tested on „OPC conformity“, new firewall applicable network technology including SOAP support.

### Open standards

like Web server, SMTP e-mail server, and RAS services for modem, SMS transmission, are already available as of Windows CE 5.0. SQL CE 3.0 data base – supporting simultaneous access of several users.

### Easy-to-use

intuitional operator surface. Each element, object or graphic can be integrated by drag & drop in only three steps into the project. Automatic filters remove unvalid commands.

### Scalable vector graphics

automatic project adaptation to the graphical target hardware. Horizontal and vertical display possible.

### Graphical elements

respectively objects can be saved in own libraries with all bequeathable attributes for further use.

### Multi-lingual development tool

16 Bit Unicode support for optional online language change in Runtime version.

### High security

for user access due to comprehensive administration of rights according to FDA standard. If necessary access to Windows system components like task manager, for example, can be disconnected through the API interface.

Pre-configured and freely scalable objects for alarm processing, recipe administration, online data base, history data base, graphical 2D and 3D diamgrams. Data import for STEP7 from Siemens, OPC and CSV files.

| Features                                  | Windows® Embedded CE 6.0 Core | Windows® Embedded CE 6.0 Prof. |
|---|-------------------------------|--------------------------------|
| Web server                                | -                             | +                              |
| VNC server                                | +                             | +                              |
| FTP server                                | +                             | +                              |
| RAS server                                | -                             | +                              |
| Telnet                                    | -                             | +                              |
| ActiveSync File Transfer (USB, RS232C)    | +                             | +                              |
| RDP (Remote Desktop Protocol)             | -                             | +                              |
| Internet Explorer 6                       | -                             | +                              |
| Registry Editor                           | +                             | +                              |
| WordPad                                   | +                             | +                              |
| USB keyboard driver                       | +                             | +                              |
| HP printer driver (COM, Ethernet, USB)    | -                             | +                              |
| Data Viewer: Word, Excel, Powerpoint, PDF | -                             | +                              |
| VIPA startup manager                      | +                             | +                              |

# Movicon®

| Features                | Movicon CE Basic | Movicon CE Full |
|-------------------------|------------------|-----------------|
| I/O Bytes               | 512              | 4096            |
| Graphics libraries      | ✓                | ✓               |
| Power templates         | -                | ✓               |
| Alarms                  | Max. 1024        | ✓               |
| Touch screen            | ✓                | ✓               |
| Event historical log    | TXT, XML         | ✓               |
| Dynamic language change | ✓                | ✓               |
| IL logic (SoftLogik)    | ✓                | ✓               |
| VBA multithreading      | Max. 2 resources | ✓               |
| ActiveX- OCX            | -                | ✓               |
| Debugger onLine/remote  | ✓                | ✓               |
| Dynamic trends          | ✓                | ✓               |
| Historical trends       | TXT, XML         | ✓               |
| Recipes                 | ✓                | ✓               |
| Data logger             | Max. 2 on IMDB   | ✓               |
| Report                  | -                | TXT             |
| Networking              | ✓                | ✓               |
| Multi drivers           | Max. 2           | Max. 2          |
| SMS/E-mails             | -                | ✓               |
| OPC DA client           | ✓                | ✓               |
| OPC XML DA client       | -                | ✓               |
| VBA drivers interface   | -                | ✓               |
| Web client              | -                | 2 users         |

