YASKAWA

# VIPA HMI

## Operating & Monitoring

www.yaskawa.eu.com

## Starting with the small smartPanels up to the large, high-performance Panel PC, we offer you the complete HMI product range.

Often the interaction between humans and machines is carried out via operating devices which are connected with the heart of the installations. Right here the operating devices are deployed. Whether from the smallest installation up to large, multiple networked machines that are deployed worldwide.

Regardless of which system you choose they are all founded on the same basis and so they can be used for all project engineering and programming, starting from the smallest up to the largest one.

Our Touch Panels have proven themselves in many applications in all industries for years. The range of the systems deployed is as wide as the applications and technologies in the respective installation.

# smartPanel

## smartPanels – The smartest choice for high usability, performance and featuring OPC UA connectivity in one panel.

### Quality

- Robust and durable – IP66 protection rating (front)

### Functionality

- The smartPanels come with Movicon 11 and Windows Embedded Compact 7, for resource hungry applications

### smartPanels in detail

- Slim Profile
- Robust housing
- Powerful scripting capabilities

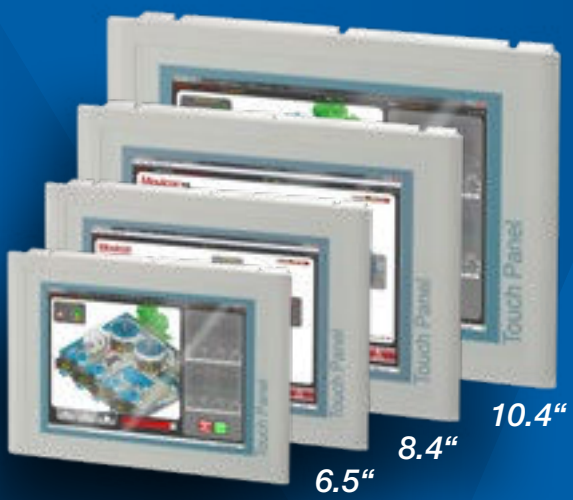
### Open for teleservice

- By means of the VNC-Client software you can also have access to your smartPanel via teleservice

The smartPanels are optimally designed for medium-sized applications. They stand for high usability and connectivity. Equipped with Movicon 11 Standard, the user is practically unrestricted in terms of tags, screens, recipes, alarms, etc.

| smart | TP 304-SM | TP 307-SM | TP 310-SM |
|---|---|---|---|
| Operating System | Windows Embedded Compact 7 | | |
| Runtime | Movicon 11 | | |
| Display size [Zoll] | 4.3 | 7 | 10 |
| Resolution [Pixel] | 480x272 | 800x480 | 1024x600 |
| Touch screen | resistive | | |
| Processor | ARM Cortex-A8 1GHz | | |
| Interfaces | 1x RS232/422/485, 1x USB-A, 1x Ethernet | | |
| int. RFID Reader | - | | |
| Work memory [MB] | 512 | | |
| Load memory [GB] | 4 | | |
| Card slot | - | | |
| Housing | plastic | | |
| Protection | Front: IP 66 / Rear: IP 20 | | |

# professional Panel



**Covering**
Memory cards are protected against loss.

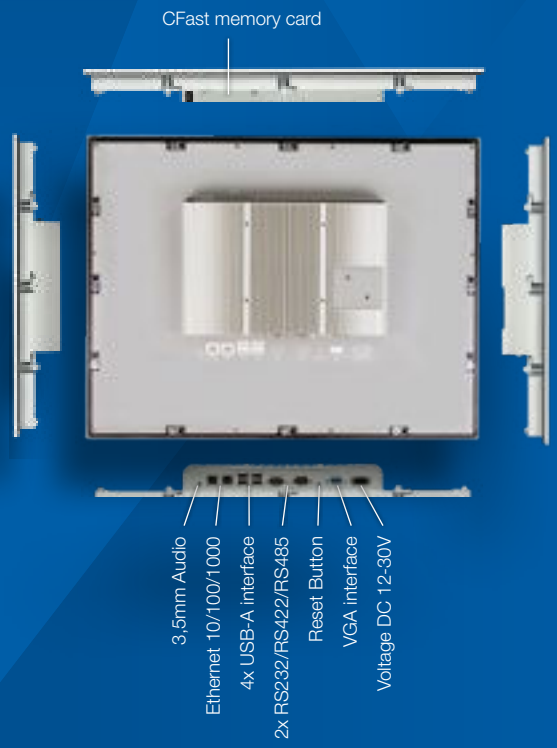
## professional Panels – extremely powerful Touch Panels with unique features and high scalability. Offered with or without Movicon 11 runtime and optional RFID module.

With the professional Panels you are prepared for the most demanding automation tasks. You can choose from many combination options exactly the panel which best fits your application.

It is not an issue if you have a different preference for visualization software/ runtime. Our professional Panels work wonderfully with many other runtimes from different manufacturers. We will gladly customize the devices if you want your company name featured in them.

| | TP 606C | TP 608C | TP 610C | TP 612C |
|---|---|---|---|---|
| **Display size [Zoll]** | 6.5 | 8.4 | 10.4 | 12.1 |
| **Resolution [Pixel]** | 640x480 | 800x600 | 800x600 | 1024x768 |
| **Touch screen** | resistive | | | |
| **Processor** | XScale-CPU 1066MHz | XScale-CPU 1066MHz | XScale-CPU 1066MHz | XScale-CPU 1066MHz |
| **Interfaces** | 1x RS232<br>1x RS422/485<br>1x USB-A<br>1x USB-B<br>1x Ethernet<br>1x MPI/PROFIBUS | 1x RS232<br>1x RS422/485<br>2x USB-A<br>1x USB-B<br>2x Ethernet<br>1x MPI/PROFIBUS | | |
| **opt. RFID Reader** | - | • | • | • |
| **Work memory [MB]** | 256 | 256 | 256 | 256 |
| **User Memory [MB]** | 512 | 512 | 512 | 512 |
| **Card slot** | CF + SD/MMC | | | |
| **Housing** | Die-cast aluminium | | | |
| **Protection** | front: IP65 \| rear: IP20 | | | |
| **Operating System** | Windows Embedded CE 6.0 Prof. | | | |
| **Runtime** | Movicon 11 CE Standard | | | |

# Panel PC




## Panel PCs – Intelligent control and monitoring – with PC performance in the control cabinet.

With the Panel PC series you are best equipped for all control and monitoring tasks. Combinig the most modern performance features and the highly accurate and responsive projected capacitive touch-screen, our Panel PC series concetrates the highest usability in the smallest space.

The latest Intel Atom processor technology, large integrated work memory and display resolutions up to Full-HD in the 21.5“ Panel PC leaves nothing to be desired. The Windows system environment which most users are familiar with, means there is no wasting time learning how the system works. The Panel PCs also have many useful interfaces. The visual impression of your control cabinet is enhanced considerably by the high-quality materials of the Panel PCs.

### Further features

- Intel Celeron J1900 4 x 2.0 GHz
- High display resolution up to Full-HD at the 21,5“ Panel
- Numerous interfaces for every application need
- Fanless construction
- High-quality metal housing

| | PPC 010 | PPC 015 | PPC 021 |
|---|---|---|---|
| **Display size [Zoll]** | 10.1 | 15.6 | 21.5 |
| **Resolution [Pixel]** | 1280x800 | 1366x768 | 1920x1080 |
| **Touch screen** | PCAP | | |
| **Processor** | Intel Celeron J1900 4 x 2.0 GHz | | |
| **Interfaces** | 2x Ethernet<br>2x RS232/422/485 (SUB-D)<br>2x USB 2.0<br>1x USB 3.0<br>1x VGA<br>1x Audio out | | |
| **int. RFID Reader** | - | | |
| **Work Memory [MB]** | 2048 - 4096 | | |
| **User Memory [MB]** | 2.048 - 16.384 | | |
| **Card slot** | CFast | | |
| **Casing** | aluminium | | |
| **Protection** | front: IP65 \| rear: IP20 | | |
| **Operating System** | WEC7 / WES7 (x64) | | |
| **Runtime** | - Movicon11 + Web-Visu<br>- only Web-Visu | | |

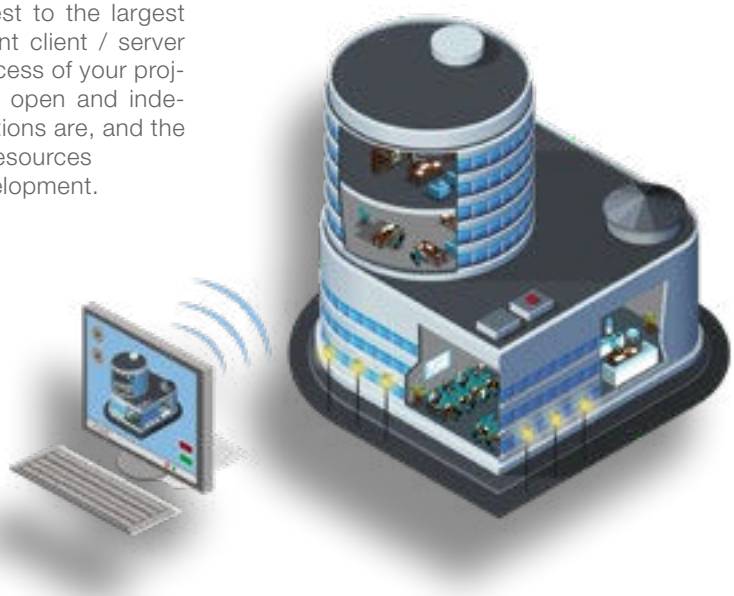
# MOVICON

**Movicon** With more than 80,000 installed applications worldwide Movicon is one of the market leaders in the field of operating and monitoring. A platform for development for all Touch Panels whether large or small. Movicon is the key to easy use.

Movicon is the safe and reliable software solution for all those who develop and operate visualization applications and whose data also has to be available for mobile technologies. With the innovative and exclusive „XMLInside“ technology the Movicon platform offers a unique development environment for HMI, SCADA, SoftLogic and data analysis.

Development times become shorter, the solutions for the users become ergonomic, open, flexible, and easy to maintain. Movicon excels over all other SCADA/HMI platforms in regards to openness, user friendliness, and performance. The unique Movicon software is completely XML based. Moreover, it relies on open and new upcoming standards such as web service, SVG, OPC UA, SQL, ODBC, .NET and Java for Web-Client solutions.

Movicon is the standard for industrial automation, remote maintenance, industry and building automation. This universal platform is suitable for every field of application and completely hardware independent. It allows the scalable development of applications from the smallest to the largest system with redundant client / server architecture. The success of your project depends on how open and independent your applications are, and the amount of time and resources you can save on development.



## Comprehensive creatable graphic library

Easy, but effective instruction functions and graphic animations. 16 animation features for objects, among them motion, transparency functions, colors, color fillings, text editing etc.

## Editable vector graphics

with powerful design and layout functions in 32 levels. The objects have an effective inheritance concept and support an Alias Parameter Management.

## Process data storing in data loggers

with object-based management. Automatic ODBC connection for archives in relational data bases. In-memory data base support for the alternative recording in encodable text and XML files.

## Automatic recipe control

on the basis of relational data bases or text files. Self-configurable recipes. Archiving in data bases and creation of the graphic user surface with only a few clicks.

## Extremely efficient connectivity via the integrated I/O driver

Integrated specifications: OPC UA, DA and XML DA. Certificated OPC compatibility. Real-time data-separable, also via shared data base charts or via an I/O driver in the Shared Memory.

## Data import from the PLC

All important drivers support the automatic tag import from the PLC program. Tag import from every system (e.g. MS Excel).

| Features | Movicon 11 CE | Movicon 11 WIN |
|---|---|---|
| available for | CE6/EC7 Panels | Panel PC with WES7 |
| I/O Bytes | 4096 | Default: 32<br>Option: 128, 512, 2048 |
| Screens | • | • |
| Graphics Library | • | • |
| Power templates | • | • |
| Alarms | max. 4096 | max. 2048 |
| Accelerators and Menus | • | • |
| Touch Screen | • | • |
| Event Historical Log | • | • |
| Dynamic language change | • | • |
| IL Logic (SoftLogik) | • | • |
| VBA Multi-threading | • | • |
| ActiveX- OCX | • | • |
| Debugger OnLine/Remote | • | • |
| Dynamics trends | • | • |
| Historical trends | • | • |
| Recipes | • | • |
| Data Logger | • | • |
| Reports | only Text Reports | Embedded Reports |
| Network operation | • | • |
| Multi-driver capable | max. 2 | max. 2 |
| SMS/E-Mail | • | • |
| OPC UA, DA und XML DA Client | • | • |
| VBA Drivers interface | • | - |
| Web Client | 2 Users | Option |

• = unlimited / depends on the projekt

# Line displays

„Line displays have become very rare in the market. We still offer them. This is due to our policy of product sustainability, but also to the fact that our customers still ask for line displays. And we listen to our customers.“

**The text display TD 03**

- Conceptualized for the deployment with our CPUs and Siemens CPUs
- Programmable with TD-Wizard

**The operator panel OP 03**

- For operating and monitoring small applications
- Programmable with OP-Manager or Siemens ProTool

**The commander compact CC 03**

- Controller and panel in one with a 100V PLC at the back. Programmable with Siemens STEP7
- 16 digital inputs and outputs
- Programmable with OP-Manager or Siemens ProTool

**Its deployment is extremely space saving.**
**They are individually customizable – with your logo, notes or whatever else.**

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