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

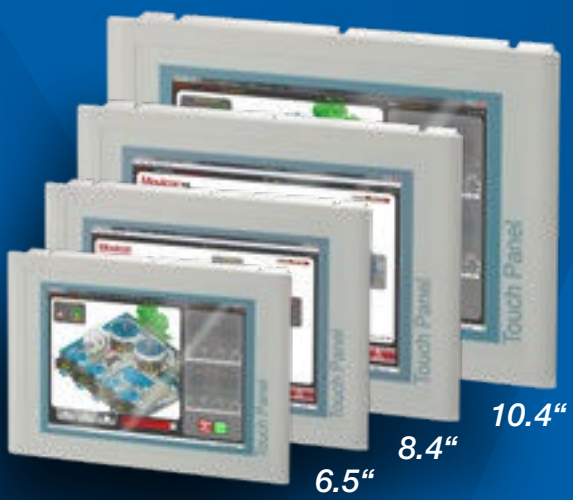
Open for teleservice

- 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.

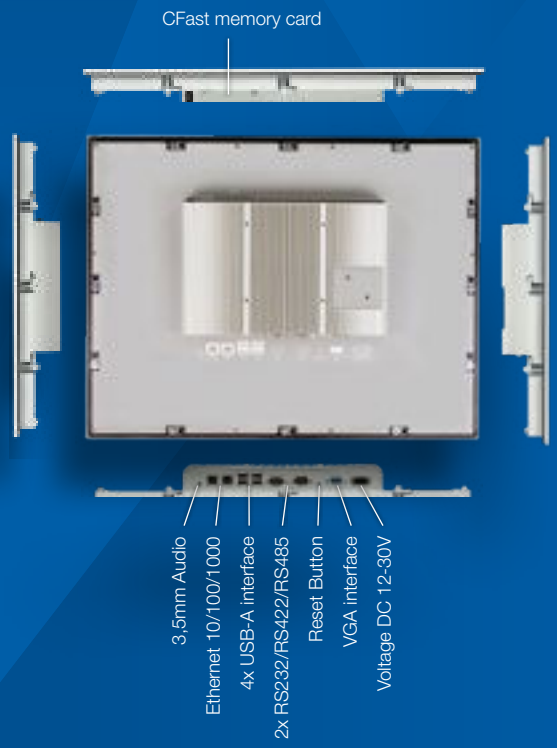
professional Panels – extremely powerful Touch Panels with unique features and high scalability. Offered with or without Movicon 11 runtime and optional RFID module.

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 1x RS422/485 1x USB-A 1x USB-B 1x Ethernet 1x MPI/PROFIBUS	1x RS232 1x RS422/485 2x USB-A 1x USB-B 2x Ethernet 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 2x RS232/422/485 (SUB-D) 2x USB 2.0 1x USB 3.0 1x VGA 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 - only Web-Visu		

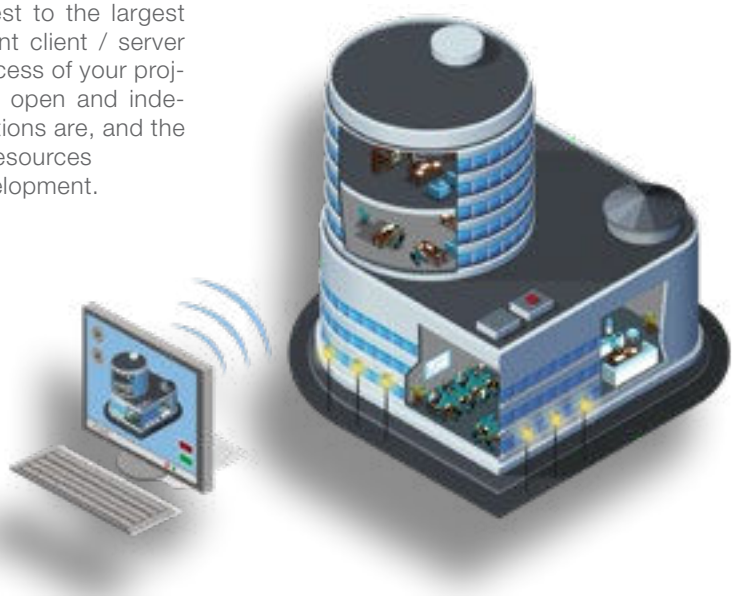
MOVICON

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 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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