

**YASKAWA**

# VIPA HMI

Operating & Monitoring



# The complete range



Starting with the small VIPA ecoPanels up to the large, high-performance VIPA PanelPC, VIPA Controls offers 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 of VIPA Controls 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 VIPA Panel up to the largest one. Only the hardware changes. Our target is to have the right solution for each customer and each installation.

VIPA 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.

# VIPA ecoPanels



VIPA ecoPanels – the solid Touch Panels that are not afraid of any popular type of operation. The Movicon Runtime is already pre-installed for you. So you are ready to go.

## Quality

- ecoPanels are durable and robust

## Functionality

- ecoPanels with pre-installed Movicon Runtime and Windows Embedded CE 6.0 Core/Prof. operating system

During the development of the ecoPanel series, we ensured that we can offer high performance, paired with stable and robust housing and cost-effective prices. The ecoPanel series is the start of cost-effective automation via a Touch Panel.



As with all VIPA Panels the Runtime Movicon is also pre-installed in the ecoPanel series. So you can get started right away. The diversity of the integrated interfaces and the large number of available drivers, for the connection of different hardware of other manufacturers reduces the time for project engineering to a minimum.

## ecoPanels in detail

- Mounting depth 50 to 60 mm
- Industrial grade and robust housing
- Multilingual language support

## Open for teleservice

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

				
<b>eco+</b>	<b>TP 604LC+</b>	<b>TP 607LC+</b>	<b>TP 610LC+</b>	<b>TP 615LC+</b>
<b>Operating System</b>	WinCE 6.0 Prof.			
<b>Runtime</b>	Movicon 11 CE Standard			
<b>eco</b>	<b>TP 604LC</b>	<b>TP 607LC</b>	<b>TP 610LC</b>	<b>TP 615LC</b>
<b>Display size [Zoll]</b>	4,3	7,5	10,4	15
<b>Resolution [Pixel]</b>	480x272	800x480	1024x768	1024x768
<b>Touch screen</b>	resistive			
<b>Processor</b>	Cortex-A8 CPU 667MHz		Cortex-A8 CPU 1000MHz	
<b>Interfaces</b>	1x RS232 (SUB-D) 1x RS232/422/485 (DB25) 1x USB-A 1x Ethernet 1x MPI/PROFIBUS (optional)		1x RS232 (SUB-D) 1x RS232/422/485 (DB25) 1x USB-A 2x Ethernet 1x MPI/PROFIBUS (optional)	
<b>int. RFID Reader</b>	-			
<b>Work memory [MB]</b>	256			
<b>Load memory [MB]</b>	128			
<b>Cardslot for</b>	SD			
<b>Housing</b>	plastic		aluminium	
<b>Protection</b>	front: IP65   rear: IP20			
<b>Operating System</b>	WinCE 6.0 Core			
<b>Runtime</b>	Movicon 11 CE Basic			

# VIPA professional Panel








VIPA professional Panels – extremely powerful Touch Panels with unique features and a very high scalability. Additionally you have the choice whether you want a panel with or without runtime.

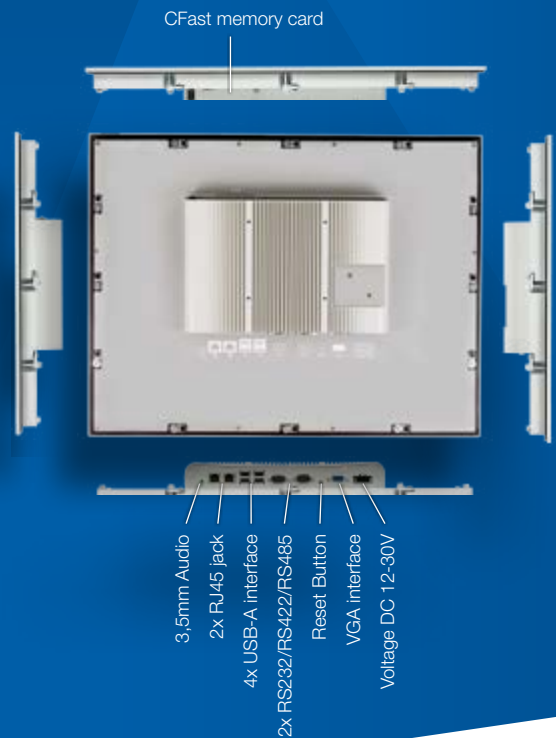
With the professional Panels from VIPA Controls you are perfectly prepared for demanding automation solutions. Here you can choose from many combination options exactly the panel

which best fits to your application. If you are using your own visualization software/Runtime this is no problem. Our professional Panels can cope wonderfully with many Runtimes of

other manufacturers. We will gladly modify the devices so that your company name appears on them.

	 TP 605CQ	 TP 606C	 TP 608C	 TP 610C	 TP 612C
Display size [Zoll]	5,7	6,5	8,4	10,4	12,1
Resolution [Pixel]	320x240	640x480	800x600	800x600	1024x768
Touch screen	resistive				
Processor	XScale-CPU 800MHz	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	
int. RFID Reader	-	-	•	•	•
Work memory [MB]	128	256	256	256	256
User Memory [MB]	2048	512	512	512	512
Cardslot	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				

# VIPA PanelPC



## VIPA PanelPCs – Intelligent control and monitoring – with PC performance in the control cabinet.

With the PanelPC series from VIPA Controls you are best equipped for all control and monitoring tasks. The combination of industrial PC with the most modern performance features and a Touch Panel with ideal display possibilities concentrates high performance 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" PanelPC leaves nothing to be desired. The Windows system environment with which most of the users are familiar, simplifies access without the necessity of learning something new. The PanelPCs also have many useful interfaces as you are already accustomed to from VIPA Controls. The visual impression of your control cabinet is enhanced considerably by the high-quality materials of the PanelPCs.

The pre-installed operating system Windows Embedded Compact 7 or Windows Embedded Standard 7 comply with the latest status in the PC world and most of the users are familiar with it. In your visualization you can choose between your own programs or the latest pre-installed

Movicon visualization.

### Further features

- Latest Intel Atom processor technology
- High display resolution up to Full-HD at the 21,5" Panel

- Numerous interfaces for adequate PC operation
- Cooling without a fan
- 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 Atom D2550 1860MHz		
Interfaces	2x RS232/422/485 (SUB-D) 4x USB-A 2x Ethernet 1x VGA 1x Audio out		
int. RFID Reader	-		
Work Memory [MB]	2048		
User Memory [MB]	2.048 - 16.384		
Card slot	CFast		
Casing	aluminium		
Protection	front: IP65   rear: IP20		
Operating System	WEC7 / WES7 (x32)		
Runtime	- Movicon11 Standard - Movicon11 Standard + Web-Visu - nur Web-Visu		



# MOVICON

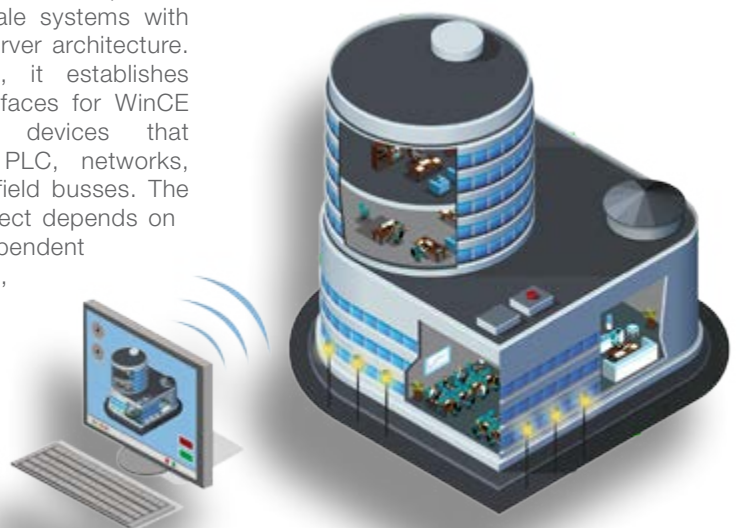


**Movicon** With more than 80,000 installed applications worldwide Movicon is one of the market leaders in the field of operating and monitoring. A platform for development for all VIPA Panels whether large or small. Movicon is the key to easy use.

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.

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

solutions. Movicon is the standard for industrial automation, remote maintenance, supply industry and building automation. This universal platform is suitable for every field of application and completely hardware independent. It allows the development of operator stations of large scale systems with redundant client / server architecture. At the same time, it establishes applications and surfaces for WinCE supported mobile devices that communicate with PLC, networks, industrial or private field busses. 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.





### Completely 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.

### Surface based on SVG graphics

Automatic adjustment of the graphics to display resolution with efficient rendering also for the bitmap image files.

### 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 DA and OPC XML-DA, as well as clientals also server-sides. 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 Basic	Movicon 11 CE Standard	Movicon 11 WIN Standard
available for	eco Panels	eco+ Panels, professional Panels, Panel PC with WEC7	Panel PC with WES7
I/O Bytes	512	4096	Default: 32 Option: 128, 512, 2048
Screens	•	•	•
Graphics Library	•	•	•
Power templates	-	•	•
Alarms	max. 1024	max. 4096	max. 2048
Accelerators and Menus	•	•	•
Touch Screen	•	•	•
Event Historical Log	TXT & XML only	•	•
Dynamic language change	•	•	•
IL Logic (SoftLogik)	•	•	•
VBA Multi-threading	max. 2 sources	•	•
ActiveX- OCX	-	•	•
Debugger OnLine/Remote	•	•	•
Dynamics trends	•	•	•
Historical trends	TXT & XML only	•	•
Recipes	•	•	•
Data Logger	max. 2 on IMDB	•	•
Reports	-	only Text Reports	Embedded Reports
Network operation	•	•	•
Multi-driver capable	max. 2	max. 2	max. 2
SMS/E-Mail	-	•	•
OPC DA Client	•	•	•
OPC XML DA Client	-	•	•
VBA Drivers interface	-	2 Users	-
Web Client	-	2 Users	Option

• = unlimited / depends on the projekt

# VIPA 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 VIPA line displays. And we want satisfied customers.“



### The text display TD 03

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



### The operator panel OP 03

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



### The commander compact CC 03

- Controller and panel in one as there is a VIPA 100V PLC at the back that is also programmable with Siemens STEP7
- 16 digital inputs and outputs
- The panel is programmable with VIPA OP-Manager or Siemens ProTool

**Its deployment is extremely space saving. And no matter which display you use the space in the control cabinet has always the same size. They are individually designable – with your logo, notes or whatever else.**

# YASKAWA

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Prozessautomatisierung mbH

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