HMI
READY FOR RELIABILITY
SMARTPANEL

The smartest choice for high usability, performance and connectivity to MPiec controllers.

smartPanels work with any Yaskawa MPiec controller to bring easy user control and connectivity to a medium-sized application. Movicon 11 software gives users a virtually unlimited choice of tags, screens, recipes, alarms, etc.

**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

**DIAL-IN FROM ANYWHERE**
- VNC-Client software offers dial-in access from any location worldwide

<table>
<thead>
<tr>
<th>model</th>
<th>MPiec 11A</th>
<th>MPiec 11A</th>
<th>MPiec 11G</th>
</tr>
</thead>
<tbody>
<tr>
<td>Display Size</td>
<td>4.3” 7” 10”</td>
<td>4.3” 7” 10”</td>
<td>4.3” 7” 10”</td>
</tr>
<tr>
<td>Resolution (Pixel)</td>
<td>480x272 800x480 1024x600</td>
<td>480x272 800x480 1024x600</td>
<td>480x272 800x480 1024x600</td>
</tr>
<tr>
<td>Touch Screen</td>
<td>resistive</td>
<td>resistive</td>
<td>resistive</td>
</tr>
<tr>
<td>Processor</td>
<td>ARM Cortex-A8 1GHz</td>
<td>ARM Cortex-A8 1GHz</td>
<td>ARM Cortex-A8 1GHz</td>
</tr>
<tr>
<td>Interfaces</td>
<td>1x RS232/422/485, 1x USB-A, 1x Ethernet</td>
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<td>1x RS232/422/485, 1x USB-A, 1x Ethernet</td>
</tr>
<tr>
<td>Work Memory [MB]</td>
<td>512</td>
<td>512</td>
<td>512</td>
</tr>
<tr>
<td>Load Memory [GB]</td>
<td>4</td>
<td>4</td>
<td>4</td>
</tr>
<tr>
<td>Card Slot</td>
<td>-</td>
<td>-</td>
<td>-</td>
</tr>
<tr>
<td>Housing</td>
<td>plastic</td>
<td>plastic</td>
<td>plastic</td>
</tr>
</tbody>
</table>
The latest performance features and a precise, responsive capacitive touchscreen combine in Panel PC to deliver superlative usability in a small space.

All three models feature Intel Atom processors, large integrated work memory and display resolutions up to full HD in the 21.5” Panel PC. A familiar Windows system environment means users are instantly comfortable with how the system works. The Panel PCs also have many useful interfaces. High quality materials enhance the appearance of your control cabinet.

- Intel Celeron J1900 4 x 2.0 GHz
- High resolution displays deliver up to full HD
- Numerous interfaces for every application need
- Fanless construction
- High-quality metal housing
Movicon is a safe and reliable software solution for visualization applications, especially those which must be made available for mobile technologies. The exclusive, innovative technology of "XMLinside" offers a unique development environment for HMI, SCADA, SoftLogic and data analysis.

Development times become shorter, the solutions for users become more open, user friendly and higher in performance. This makes development times shorter and yields solutions that are ergonomic, flexible and easy to maintain.

While Movicon is completely XML based, it relies on open and new upcoming standards including web service, SVG, SQL, ODBC, .NET and Java for Web-Client solutions. Movicon is the standard for industrial automation, remote maintenance, industry and building automation. It is hardware independent and allows scalable development in systems from small to large with redundant client/server architecture.
Features Movicon 11 CE

- I/O Bytes: 4096
- Screens
- Graphics Library
- Power Templates
- Alarms: max. 4096
- 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

Network Operation
- Multi-driver Capable: max. 2
- OPC DA and XML-DA Client
- VBA-Driver Interface
- Web Client: 2 Users

COMPREHENSIVE GRAPHIC LIBRARY
A wide variety of simple, understandable graphic images are built in, plus 16 animation features for objects including motion, transparency functions, colors, color fillings, text editing and more.

EDITABLE VECTOR GRAPHICS
Equipped with powerful design and layout functions in 32 levels, the objects support an effective inheritance concept and Abbas Parameter Management.

PROCESS DATA STORING IN DATA LOGGERS
Object-based management and automatic ODBC connection for archives in relational data bases is included. In-memory database support is available for the alternative recording in encodable text and XML files.

AUTOMATIC RECIPE CONTROL
Self-configurable recipes may be controlled on the basis of relational data bases or text files. Archiving in data bases and creation of the graphic user surface is possible with only a few clicks.

MODBUS TCP/IP AND PLCi CONNECTIVITY TO MPiec CONTROLLERS
Enjoy the assurance of the familiar Modbus TCP/IP or the easy connection of the new PLCi with any Yaskawa MPiec Controller.

DATA IMPORT FROM THE PLC
All important drivers support the automatic tag import from the PLC program. Tag import from every system (e.g. OLE-Db32, Excel).
Yaskawa is the leading global manufacturer of low and medium voltage variable frequency drives, servo systems, machine controllers and industrial robots. Our standard products, as well as tailor-made solutions, are well-known and have a high reputation for outstanding quality and reliability.