flexx IPC
by Hoffmann + Krippner

PANEL PC FOR VARIOUS INDUSTRIES

flexx-**IPC**® L-T & flexx-**HMI**® L-T 15" Industrial Panel PC
Including resistive touch screen and *EasyLabel* slide in labels for maximum flexibility

• 15" RESISTIVE TOUCH SCREEN

• WINDOWS EMBEDDED COMPACT 7® OR WINDOWS EMBEDDED STANDARD 7®

• PERFECT FOR AUTOMATION AND MACHINE BUILDING

• STANDARD SYSTEMS AND CUSTOMIZED SOLUTIONS

• PRIVATE LABELING: INDIVIDUAL FRONT PANEL DESIGNS

flexx-**IPC**® - **MAXIMUM** FLEXIBILITY. **MINIMUM** PRICE.

Hoffmann + Krippner presents flexx-IPC®: A cost effective, highly reliable, and powerful industrial Panel PC designed to meet the special requirements of industrial automation systems. Available with a resistive touch screen and an easy to customise front panel with integrated membrane keyboard, flexx-IPC® Panel PCs increase operator accuracy and efficiency in almost every industrial environment.

Thanks to a rugged design and high quality hardware, flexx-IPC® Panel PCs are ideally suited for automation processes in harsh industrial environments. Built for long life cycles, tailored to individual customer needs and suitable for almost any industry, flexx-IPC® covers all requirements in those challenging application areas.

Benefits:

- Resistive touch screen and optional membrane keyboard for maximum flexibility
- Long-life industrial components and state of the art engineering know-how
- Low total cost of ownership (TCO)
- Easy maintenance through simple, modular internal design
- Scalable performance in the same design
- Individual front panels that are easy to customise even for small quantities
- Custom layout for OEM customers (colour schemes and key layout)
- Electromagnetic compatibility (EMC) and safety approvals (CE, FCC, UL) for customised designs
- Supports Windows Embedded Compact 7 for OEM customers with own software
- Windows Embedded Standard 7 for "Off the Shelf" software (e.g. SCADA & HMI)

flexx-**HMI**®

For industrial automation OEMs and system integrators who require connectivity to industrial standard controllers, Hoffmann + Krippner offers a standardised HMI solution. flexx-HMI® provides you with all the features and advantages of the flexx-IPC®, plus a powerful software solution.

flexx-HMI® SCADA software features:

- Real time data acquisition from a variety of real-world devices
- Displays and accesses real-time, dynamic, and animated graphic screens, trends, recipes, and reports on the most popular web browsers
- Import and export of data in XML format for easy integration with corporate and business applications
- Seamless integration with databases and Microsoft Office products
- Strong software architecture that covers the latest standards and technologies in wireless, mobile, distributed, and internet areas

flexx-**IPC**® *EasyLabel*

The flexx-IPC® panel PC can easily be integrated into existing applications and includes the possibility to individually label each key with our own *EasyLabel* technology for maximum flexibility. This unique feature enables you to label each key on the flexx-IPC® panel PC individually by using an online template and printing directly on specially provided labels that easily slide into the label pockets on the backside of the panel.

15" Industrial Panel PC

flexx-IPC® L-T

The flexx-**IPC**® L-T system is a medium-size Industrial Panel PC system for numerous industrial applications and machines. It features a 15" resistive touch screen, and can optionally be ordered with 49 function keys (with 22 self-label keys) as well as an integrated numeric keypad.

Also available as flexx-**HMI**®, with powerful software features.

Product Performance Level	flexx-**IPC**® L-T | flexx-**HMI**® L-T *Advanced*		flexx-**IPC**® L-T | flexx-**HMI**® L-T *Power*	
Availability (as of 01/2012)	Available		Available	
Main Features	• x86 plattform • Intel CPU • max. 30 W		• x86 plattform • AMD CPU • max. 45 W	
Processor	Intel Atom 1.6 GHz		AMD Mobile Athlon Neo L325 Dual Core 1.5 GHz	
System Memory (RAM)	1 GB		1 GB	
HDD / Flash Memory	2 GB / 8 GB		8 GB	
Operating System	Windows Embedded Compact 7 or Windows Embedded Standard 7		Windows Embedded Standard 7	
HMI Software	not included	included	not included	included
LCD Display Type	LED Backlight TFT		LED Backlight TFT	
LCD Display Size	15"		15"	
Maximum Resolution	1024 x 768 (XGA)		1024 x 768 (XGA)	
Touch Screen	Resistive		Resistive	
I/O Ports	• 1x Gbit Ethernet • 1x PCIe • 1x RS-232 (+1 internal) • 4x USB 2.0 (+1 internal) • Audio Out/ Mic in • PS/2 Keyboard & Mouse (internal)		• 2x Gbit Ethernet • 1x PCIe • 1x RS-232 (+1 internal) • 4x USB 2.0 (+ 2 internal) • Audio Out/ Mic in • PS/2 Keyboard & Mouse	
Power Supply / Input Voltage	Regulated 24V DC from supplied External Power Adapter		Regulated 19V to 24V DC from supplied External Power Adapter	
Overall Dimensions (external)	16.8" x 13.8" / 426.4 x 350.5 mm		16.8" x 13.8" / 426.4 x 350.5 mm	
Installation Depth	90 mm		90 mm	
Enclosure Material	Front: Aluminium, anodised Enclosure: Steel, galvanized		Front: Aluminium, anodised Enclosure: Steel, galvanized	
Keypad Surface Material	Polyester PVS-G		Polyester PVS-G	
Mounting	12 studs		12 studs	
Operating Temperature	0° C - 45° C without fan		0° C - 45° C heat sink with fan	
IP Rating	Front: IP 65 Enclosure: IP 30		Front: IP 65 Enclosure: IP 30	
Certifications	CE / FCC / UL		CE / FCC / UL	
Number of Input Keys	Optional 49		Optional 49	
Numeric Keypad	Optional		Optional	
Self-Labeling of Keys	Optional		Optional	
Minimum Operations / Key	>1 Million		>1 Million	

Hoffmann+
Krippner

TECHNICAL INNOVATION AT THE HIGHEST LEVEL

Hoffmann + Krippner is headquartered in Germany and has offices around the world. We have a work force of over 200 and develop and produce innovative input solutions for customers in the most diverse sectors, ranging from the electronics industry, medical technology, mechanical engineering and aviation to military applications.

Hoffmann + Krippner represents the highest levels of engineering, innovation, and technical know-how for pliable input devices and turn-key solutions.

We are a market leader in customer-specific input systems. The core competence of our company lies in the ability to be able to offer our customers a broad product portfolio, ranging from the standard membrane keyboard to individual and complete input systems as well as human machine interfaces (HMI) including enclosures, electronics, and software.

Our turn-key solutions on multilayer printed circuit boards with integrated electronics and enclosures are at the international forefront of this technology.

The highest demands placed on us are those we expect of ourselves. With our experienced employees we are able to realize highly complex solutions for our customers.

Our strengths benefit our customers through a broad range of innovative top-level engineering. Our long-standing expertise as a leading manufacturer of customized input devices and keyboards in Europe results in high-quality solutions for our customers, worldwide.

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