kontron

» HMI. Clearly ahead of its time «

Technology made for the world of tomorrow

Application Ready Platforms

» Ready to run, easy to use
» Reliable and powerful
» State-of-the-art industrial design

» Application Ready Platforms «

OmniClient

Performance at its best

V Panel Express

High performance for challenging applications

Micro Client 3/3W

A new dimension of visualization

Micro Client IIA

Cost conscious intelligent displays

Pico Client

Small, smart, strong for low-end applications

Nano Client

Flexible HMI for rugged applications

Medi Client IIA

Medical approved in plastic housing

HMITR

EN50155 certified panel for mobile applications

» Intelligent. Intuitive. Scalable. Solutions for today and tomorrow. «

Modern industrial design, usability and flexibility — these are the most important challenges for today's HMIs. Inspired by consumer-oriented products, industrial HMIs are facing new challenges. They are becoming more than just a functional add-on. HMIs as an integral part of the user experience have to be user-friendly, intuitive and have flexible interfaces all while offering a state-of-the-art look and feel.

Kontron's HMIs are the perfect answer to these demanding and increasing requirements as they are intelligent, intuitive and scalable. The product line of the new HMI systems offers a wide range of processor capacities and display dimensions from 5.7" up to 22". Widescreen displays in 16:9 format allow the visualization of more detailed and different data at one glance. Multi-touch functionalities increase the intuitive usability of the user interface and glass front displays ensure a modern industrial design. Besides capacitive touch screens, Kontron also offers a wide range of resistive touch displays.

Kontron's industrial HMIs are ready-to-run systems assuring the compatibility of hardware and software. The 100% industry-capable touch panels and displays meet the toughest industrial requirements concerning shock, vibration and temperature resistance. No matter what your requirements are, Kontron provides you with modified standard and full-custom HMIs and long life support for your control and visualization applications taking into account the latest requirements in your market.

Your benefits at a glance:

» High-performance devices with embedded multicore processor technology

» Scalable display sizes: 5.7" to 22"

» Long-term availability

» Specific solutions for industrial, health care and transportation applications

» Closed cabinets for use in rugged environments

kontron.com/hmi

OmniClient

Complex Factory Automation Applications

» Industrial HMI & Workstations

» Large multi-touch displays: 15.6" to 22" PCAP (projected capacitive touch)

» Display: 22" Capacitive Touch

» Chipset: 3rd Generation Intel® Core™ i7/ i5/ i3/ Celeron® processors (Ivy Bridge)

» Longer life time due to LED backlights (>50 kh)

» Max. 16 GB DDR3 RAM

» Resistive touch with IP65 front side (protection for sanitization by liquid)

» WiFi, Blue Tooth, RFID Options

V Panel Express

Real Time Control and Visualization

» Industrial HMI ideal for running real time control and visualization simultaneously

» Scalable display sizes: 12.1", 15", 17", 19"

» Low-power consumption at supreme computing performance: New processors Intel® Core™ i7 2655LE (2 × 2.2 GHz), Celeron® 827E (1 × 1.4 GHz)

» Resistive touch with IP65 front side (protection for sanitization by liquid)

» Fanless cooling at maximum processor performance

» Longer life time due to LED backlights (>50 kh)

Micro Client 3/3W

Control of Production Lines

» Industrial HMIs

» 10.4" – 17" (4:3) with resistive touch

» Display 15.6" with widescreen (16:9), capacitive touch, glass front

» Higher performance with Intel® Atom™ Cedarview, dual core

» Outstanding graphical performance, second graphical output

» Longer life time due to LED backlights (>50 kh)

» Maintenance-free configuration available

Micro Client IIA

Production Data Monitoring

» HMIs ideally designed for use as web client, thin client or for terminal emulation

» Scalable display sizes from 7.0" to 17.0"

» Scalable medium grade performance (e.g. Intel® Atom™ processor 1.6 GHz)

» Cost conscious HMIs with superior price/ performance ratio

» Fanless cooling

Pico Client

Machine Control

» Intelligent Operator Displays designed for visualization, operation and control tasks in machines, systems and buildings

» Display size: 5.7" with resistive touch

» Low to medium grade performance: ARM 926EJ-S/200 MHz processor

» Cost-effective HMIs for rugged environments

» Front IP65 protected

» Compact space saving HMI

Nano Client

Food, Beverage & Harsh Environments

» HMI ideally designed for use as a web client/thin client in rugged environments (fanless cooling)

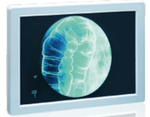
» Compact space saving systems: 10.4"/15.0" display, max. 63 mm depth

» Low power management with Intel® Atom™ processor up to 1.6 GHz

» Stainless steel housing

» Closed cabinet

» IP 66 surround to achieve hygienic requirements



Medi Client IIA

Patient Monitoring

» Robust, light and easy-to-clean plastic housing

» Display size: 10.4" and 15.0"

» Scalable performance (e.g. Intel® Atom™ processor 1.6 GHz)

» Fanless cooling

» EN60601-1 approved

» Extended OS support, e.g. WES7 (Windows embedded standard 7)

HMITR

Rugged Industrial HMI for Mobile Applications

» Industrial HMI with extended temperature range

» 10.4" LED display

» Low-power Intel® Atom™ E6xx processor

» Hard keys or touch panel

» IP 65 front protection class

» Scratch proof

» EN50155 certified

Customization

If our existing product portfolio does not meet your needs exactly, Kontron will design and deliver your tailor-made product according to your specific requirements. With our experience and broad range of design capabilities, Kontron develops the products and provides the services you need to realize your modified standard and full-custom product. You can be sure that your product will be designed or even certified in accordance to the relevant standards in each market. Your application expertise, coupled with Kontron engineering knowledge and proven reference designs, eliminates the need to invest many expensive hours and resources designing your application from scratch.

Your benefits at a glance:

» Accelerate time-to-market
» High-quality and innovation support
» Engineering partnership
» Global service and support
» Full system responsibility
» Market specific certifications
» Long life cycle support

About Kontron

Kontron is a global leader in embedded computing technology. With more than 40% of its employees in Research and Development, Kontron creates many of the standards that drive the world's embedded computing platforms. Kontron's product longevity, local engineering and support, and value-added services, help create a sustainable and viable embedded solution for OEMs and system integrators.

Kontron works closely with its customers on their embedded application-ready platforms and custom solutions, enabling them to focus on their core capabilities. The result is an accelerated time-to-market, reduced total-cost-of-ownership and an improved overall application with leading-edge, highly reliable embedded technology.

Kontron is listed on the German TecDAX stock exchange under the symbol "KBC". For more information, please visit: **www.kontron.com**

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