

## » Micro Client II «



### Thin Industrial HMI

- » Cost conscious human machine interface with superior price/performance ratio
- » Ideally designed for use as web client, thin client or terminal emulations
- » Compact space saving systems with max. 56 mm depth
- » Fanless cooling concept
- » Scaleable display size: 7.0", 10.4", 12.1" and 15.0"

# Micro Client II

## Thin Industrial HMI

Kontron announces its second generation of the successful Micro Client industrial HMI: the new Kontron Micro Client II. By focusing on the intended use as an industrial thin client including touch functionality for operating and monitoring, the new Kontron Micro Client II provides all the latest features required for thin client oriented HMI applications in a cost-optimized design that includes a modular IP65 protected front panel with touch screen.

The Kontron Micro Client II can be implemented with either

SATA, CompactFlash or Ethernet boot functionality. This makes it the perfect fit for all common server-orientated HMI client technologies. Depending on the application needs, the fanless and scalable Kontron Micro Client II is equipped with embedded processors ranging from the AMD LX 800 processor with 500MHz up to the 1.0 GHz Intel® Celeron® processor. Shock and vibration resistance, thermal stability and compliance with the strictest EMC standards are standard features for all Micro Clients.

### Technical Information

|                            | 70                                                                                                      | 104                                                                           | 121              | 150              |
|----------------------------|---------------------------------------------------------------------------------------------------------|-------------------------------------------------------------------------------|------------------|------------------|
| Display                    | 7.0" TFT                                                                                                | 10.4" TFT                                                                     | 12.1" TFT        | 15.0" TFT        |
| Resolution                 | 800x480                                                                                                 | 800x600                                                                       | 800x600          | 1024x768         |
| Brightness                 | 330cd/m²                                                                                                | 230cd/m²                                                                      | 400cd/m²         | 350cd/m²         |
| Touch Screen               | Resistive analog                                                                                        | Resistive analog                                                              | Resistive analog | Resistive analog |
| Weight                     | ca. 2.6 kg                                                                                              | ca. 3.6 kg                                                                    | ca. 4.9 kg       | ca. 6.5 kg       |
| Dimensions (HxWxD)         | 168x235x49 mm                                                                                           | 277x348x50 mm                                                                 | 312x380x55 mm    | 354x450x56 mm    |
| Colour (Front)             | black RAL 911                                                                                           | black (Pantone 433c)                                                          |                  |                  |
| Mounting                   | Panelmount + VESA opt.                                                                                  |                                                                               |                  |                  |
| Processor                  | AMD LX 800 500 MHz up to Celeron M 1 GHz                                                                |                                                                               |                  |                  |
| RAM                        | up to 1024 MByte                                                                                        |                                                                               |                  |                  |
| I/O Standard               | 2x USB, 2x LAN 10/100, 1x RS232<br>1x RS232/RS422/RS485 opt.                                            | 2x USB rear, 1x USB front, 2x LAN 10/100, 1x RS232, 1x RS232/RS422/RS485 opt. |                  |                  |
| Field Buses                | CAN bus optional                                                                                        |                                                                               |                  |                  |
| Internal Drives            | Compact Flash                                                                                           | Compact Flash and / or 2.5" HDD                                               |                  |                  |
| Power Supply               | 11.4 - 28.8 VDC                                                                                         |                                                                               |                  |                  |
| Cooling                    | Fanless                                                                                                 |                                                                               |                  |                  |
| EMC                        | US: FCC47 CFR PART15; Class A level<br>CE: EN61000-6-2; EN55022/A (CISPR22)                             |                                                                               |                  |                  |
| Certifications             | CE, FCC, cULus                                                                                          |                                                                               |                  |                  |
| Protection Class           | IP65 front                                                                                              |                                                                               |                  |                  |
| Altitude                   | Operating: 10000 ft (3.048m); Storage: 15000 ft (4.622m)                                                |                                                                               |                  |                  |
| Shock DIN EN 60068-2-27    | Operating: 15 g 11 ms duration / Storage: 50G, 11ms duration (half-sinus)                               |                                                                               |                  |                  |
| Vibration DIN EN 60068-2-6 | Operating: 10-500 Hz: 1G/3 axis / Storage: 10-500 Hz: 2G/3 axis                                         |                                                                               |                  |                  |
| Temperature / Humidity     | Operating: 0° C to +50° / 20 to 90% non condensing<br>Storage: -20° C to +60° / 5 to 90% non condensing |                                                                               |                  |                  |
| MTBF                       | > 40000 h (excluding the Backlight Tube)                                                                |                                                                               |                  |                  |
| Verified OS                | Windows® XP Embedded, CE, Linux Embedded                                                                |                                                                               |                  |                  |
| RoHS compliant             | yes                                                                                                     |                                                                               |                  |                  |

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