

➤ Micro Clients

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. 60 mm depth
- Fanless cooling concept
- Scaleable display size: 8.4“, 10.4“, 12.1“ and 15“

► Product Overview

Kontron's Micro Clients (Thin Clients) are cost conscious human machine interfaces. They achieve a superior price/performance ratio through a combination of reduced hardware costs, reduced maintenance and support costs, reduced down time, improved performance and enhanced security. All programs run on a central web or Windows server so that only visualization and user input proceed locally.

Thanks to the use of ETX modules the Micro Clients are scalable in processor performance to suit individual requirements and a variety of applications. Whether as thin client, web client, user terminal or as controller a wide variety of requirements can be realized quickly and inexpensively using these thin HMI systems.

► Technical Information

Features Micro Client	M@C84	M@C104	M@C121	M@C150
Display	8.4" TFT	10.4" TFT	12.1" TFT	15.0" TFT
Resolution	800x600	800x600	800x600	1024x768
Brightness	300cd/m ²	300cd/m ²	300cd/m ²	250cd/m ²
Touch Screen	Resistive analog	Resistive analog	Resistive analog	Resistive analog
Dimensions (HxWxD)	188x257x53 mm	252x325x53 mm	300x380x55 mm	362x452x60 mm
Color (Front)	black(Pantone 433c)	white(RAL2609005)	white(RAL2609005)	white (RAL2609005)
Processor	up to Celeron M 600 MHz			
RAM	up to 1024 MByte			
I/O Standard	2x USB, 1x LAN 10/100, 1x RS232 (RS422/RS485 optional)			
Field Buses	CAN bus			
Internal Drives	Compact Flash			
Power Supply	24 VDC			
Cooling	Fanless			
EMC	US:FCC47 CFR PART15; Class A level CE:EN61000-6-2; EN55022/A (CISPR22)			
Certifications	CE, FCC, cULus			
Protection Class	IP65 front (NEMA 250 Type 12 and 13)			
Altitude	Operating: 10000 ft (3.048m); Storage: 15000 ft (4.622m)			
Shock DIN EN 60068-2-27	Operating: 15 g 11 ms duration / Storage: 30G, 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 85% non condensing Storage: -20°C to +60° / 5 to 95% non condensing			
MTBF	> 40000 h*			
Verified OS	Windows XP Embedded, CE.net, Linux Embedded			
RoHS compliant	yes			

*excluding the Backlight Tube

► Corporate Offices

EMEA
Kontron AG
Oskar-von-Miller-Strasse 1
85386 Eching
Tel.: + 49 (0) 8165 77 777
Fax: + 49 (0) 8165 77 279
sales@kontron.com

NORTH AMERICA
Kontron America Corporate Office
14118 Stowe Drive
Poway, CA 92064-7147
Tel: (888) 294-4558
Fax: (858) 677-0898
sales@us.kontron.com

ASIA PACIFIC
4F, No. 415, Ti-Ding Blvd.
Sec. 2, NeiHu District
Taipei, Taiwan 114
Tel.: +886-2-2799-2789
Fax: +886-2-2799-7399
sales@kontron.com.tw