» Nano Client «

Rugged Fanless HMI

» Closed cabinet (stainless steel, IP 66 around)

» Fanless cooling

» Ideally designed for use as web client / thin client in rugged environments

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

» Compact space saving systems with max. 63 mm depth

Nano Client
Rugged Fanless HMI

Kontron's Nano Clients are robust and cost conscious human machine interfaces. With stainless steel housing and all around protection in IP66 the Nano Client is perfectly suited as web client or thin client in rugged environments. Intel's® Atom™ processor with low TDP (Thermal Design Power) enables a passive and fanless cooling in combination with a closed cabinet.

The Nano Clients are scaleable 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 rugged, low power HMI systems.

Technical Information

Display	10.4" TFT	15.0" TFT
Resolution	800x600	1024x768
Brightness	230cd/m²	350cd/m²
Touch Screen	Resistive analog	Resistive analog
Weight	ca. 3.5 kg (7.7 lb)	ca. 6 kg (13.2 lb)
Dimensions (HxWxD)	230 x 292 x 56 mm (9.0 x 11.5 x 2.2")	299 x 384 x 63 mm (11.8 x 15.1 x 2.5")
Mounting	VESA 75	VESA 100
Housing	Stainless steel	
Processor	Intel® Atom™ processor up to 1.6 GHz	
RAM	up to 1 GB	
I/O Standard	USB, LAN 10/100/1000	
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, designed to meet cULus	
Protection Class	IP66 all around	
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 +45° / 20 to 90%	
	Storage: -20° C to +65° / 5 to 90%	
MTBF	> 40000h (excluding the Backlight Tube)	
Verified OS	Windows® XP Embedded, CE, Linux Embedded	
RoHS compliant	yes	

CORPORATE OFFICES

Europe, Middle East & Africa
Oskar-von-Miller-Str. 1
85386 Eching/Munich
Germany

Tel.: +49 (0)8165/ 77 777
Fax: +49 (0)8165/ 77 279

info@kontron.com

North America
14118 Stowe Drive
Poway, CA 92064-7147
USA

Tel.: +1 888 294 4558
Fax: +1 858 677 0898

info@us.kontron.com

Asia Pacific
17 Building,Block #1,ABP.
188 Southern West 4th Ring Road
Beijing 100070, P.R.China

Tel.: + 86 10 63751188
Fax: + 86 10 83682438

info@kontron.cn

intel
Embedded
Alliance
Premier

www.kontron.com