

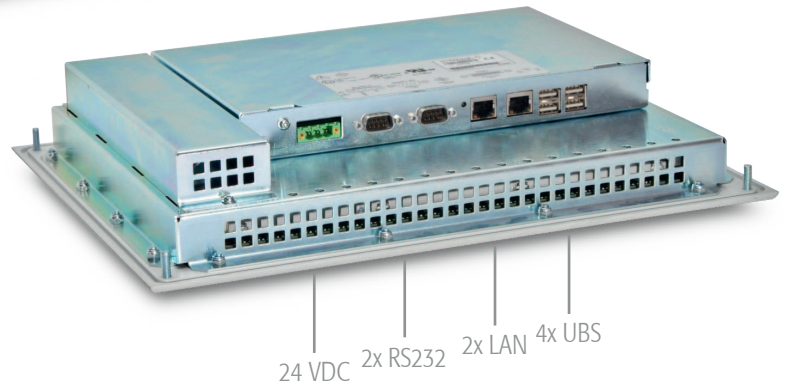
TFT/HMIxxxIS7 Series

Infrared touch panel PC with Intel® Atom™ processor



- Infrared touch
- Safety glass
- IP65 front

optional
UMTS / GPS / Wi-Fi



TFT/HMIxxxIS7

A robust industrial touch panel PC with a 10.4, 12.1 or 15 inch display, infrared touch and chemical resistant front. This version comes with Intel® Atom™ CPU directly attached to the display housing. The fan less devices are well suited for heavy industrial use. Designed with IP65 protection at the front.

- 24/7 continuous operation
- Maintenance free
- Long term availability
- Safety glass, scratch resistant
- Product lifecycle management
- LED Backlight

 Windows Embedded
Standard

 Windows Embedded CE 6.0



Product Highlights

Low Power
Fan less design
Watchdog
Temperature supervision
Real Time Clock
Persistent Flash BIOS
ESD- protection on all interfaces
Reverse polarity protection

Product Feature

10.4, 12.1 and 15 inch display
Infrared touch technology
Industrial Intel® Atom™ processor
Soldered RAM
Socket for CF Card
Ethernet, USB, RS232
Brightness control (Software)

Markets / Applications

Industrial Automation
Maritime
Railway industry
Transportation and vehicle construction
PLC replacement
Cleantech

Processor / Performance			
Intel® Atom™ Z530 1.6GHz	•	•	•
Memory			
56kB L1 Cache (32kB instruction / 24kB data)	•	•	•
512kB L2 Cache	•	•	•
1GB DDR2-400MT/s SDRAM	•	•	•
2GB DDR2-400MT/s SDRAM ¹	optional	optional	optional
Socket for CompactFlash IDE Mode (Type I)	•	•	•
TFT Display			
Screen size [inch]	10.4	12.1	15
Resolution [pixel]	800 x 600 (SVGA)	800 x 600 (SVGA)	1024 x 768 (XGA)
Brightness [cd/m ²]	400	450	400
Brightness 450...1000 cd/m ² ¹	optional	optional	optional
LED Backlight	•	•	•
Contrast ratio 450:1	•	•	•
Viewing angle	H-120° V-90°	H-130° V-110°	H-140° V-110°
Color performance 256k	•	•	•
Touch Screen			
Infrared touch technology	•	•	•
Scratch and break resistant	•	•	•
Transmittance >90%	•	•	•
Peripherals			
Graphic controller up to 1600x1200 resolution Digital (DVI-D)	•	•	•
IDE interface standard (1 Master, 1 Slave) <small>(on internal header)</small>	•	•	•
Real time clock PC compatible	•	•	•
Watchdog	•	•	•
Temperature supervisor	•	•	•
Audio port (AC97) <small>(on internal header)</small> ¹	optional	optional	optional
Rotary hex-switch for user defined configuration	2	2	2
Communication Interfaces			
USB version 2.0 (high or full speed)	4	4	4
Mouse/Keyboard PS/2 (instead of 2 USB) ¹	optional	optional	optional
Mouse/Keyboard <small>(on internal header)</small>	•	•	•
Ethernet 10/100 Mbit	2	2	2
RS232 ESD protected (DSUB9)	2	2	2
RS422/485 ESD protected ¹	optional	optional	optional
CAN Version 2.0b, SJA1000, ESD protected, isolated ¹	optional	optional	optional
Technical Data			
Dimensions W x H x D [mm]	345 x 260 x 63	361 x 279 x 63	427 x 332 x 63
Net weight	~3700	~4700	~5450
Input Voltage 10...30VDC non-isolated	•	•	•
Input Voltage 19...30VDC isolated ¹	optional	optional	optional
Power consumption max. in Watt @ 24V (without Add-ons)	29	39	42
Environmental Conditions			
Standard operating temperature (ambient) 0°C to +50°C	•	•	•
Extended operating temperature (ambient) -25°C to +65°C ¹	optional	optional	optional
Storage temperature -30°C to +80°C	•	•	•
Humidity 20 to 90% non condensing	•	•	•
Protection standard IP65 front IP20 rear	•	•	•
Shock: designed to meet EN60068-2-6	•	•	•
Vibration: designed to meet EN60068-2-27	•	•	•
EMI Conformity EN-55022/55024/61000-6-2/61000-6-4	•	•	•
MTBF ~200 000h (22.8 years) <small>excluding display</small>	•	•	•
Optional enhancement cards			
Wireless Module (UMTS / GPS / WiFi) ¹	optional	optional	optional

¹ Please contact factory for minimum order quantities

Product specifications subject to change without notice. | All data is for information purposes only and not guaranteed for legal purposes. Information in this data sheet has been carefully checked and is believed to be accurate. However, no responsibility is assumed for inaccuracies. Please refer to the user documentation for additional product specification.

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Syslogic Datentechnik AG
Täferstrasse 28
CH-5405 Baden Dättwil

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For further information and support:
info@syslogic.ch
support@syslogic.ch
www.syslogic.ch

+41 56 200 90 40 Switzerland (Headquarters)
+49 7741 967 14 20 Germany and Austria
+1 661 295-1078 US and Canada

