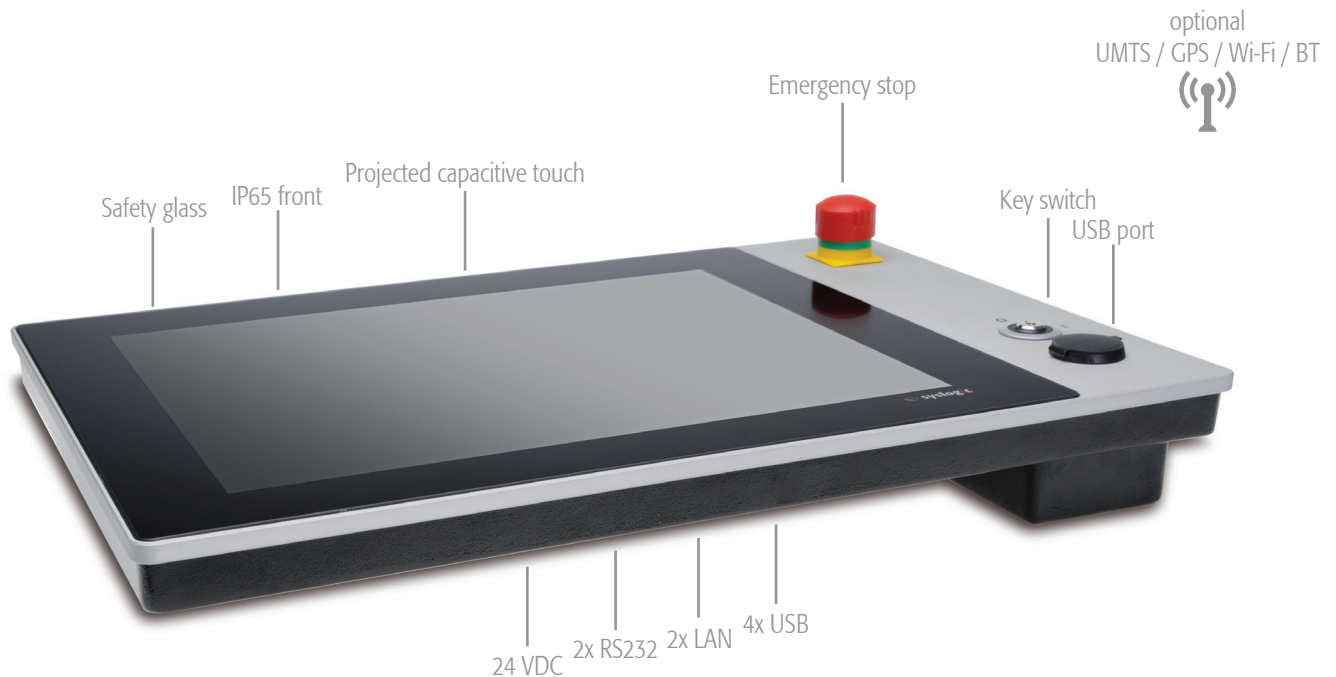


## TFT/HVxxxxPU71 Series (VESA)

Projected capacitive touch panel computer with Intel® Atom™ E6x0T processor




## TFT/HBxxxxPU71

A robust industrial touch panel PC with a 15 inch display with projected capacitive touch and chemical resistant front. The unit can be extended with customized switching elements such as an emergency stop, key switches or additional USB ports. This version comes with Intel® Atom™ E6x0T 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.

- VESA Version with switching elements
- 24/7 continuous operation
- Maintenance free
- Safety glass, scratch resistant

 Windows Embedded Standard 7

 Windows Embedded Standard 2009

 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  
Long term availability

### Product Feature

Intel® Atom™ E620T, E640T, E680T  
15 inch display with LED backlight  
Wear free projected capacitive touch technology  
Customized switching elements at front  
Soldered RAM  
Socket for CFast Card  
Ethernet, USB, RS232  
Brightness control (Software)

### Markets / Applications

Industrial Automation  
PLC replacement  
Transportation and vehicle construction  
Cleantech

	Order Code	TFT/HVX150PU7F16-A104E <sup>1</sup>	MySyslogic <sup>1</sup>
<b>Processor / Performance</b>			
Intel Atom E680T 1.6GHz		•	•
<b>Memory</b>			
56kB L1 Cache (32kB instruction / 24kB data)		•	•
512kB L2 Cache		•	•
1GB DDR2-400MT/s SDRAM		•	•
2GB DDR2-400MT/s SDRAM <sup>1</sup>		optional	optional
<b>TFT Display</b>			
Screen size [inch]		15	10.4 up to 15
Resolution [pixel]		1024 x 768 (XGA)	customized
Brightness [cd/m <sup>2</sup> ]		400	customized
LED Backlight		•	•
Contrast ratio 700:1		•	•
Viewing angle		H-160° V-140°	customized
Color performance 16.2M		•	•
<b>Features</b>			
Projected capacitive technology		•	•
Scratch and break resistant front glass		•	•
Emergency stop (1 NO, 1 NC)		front	customized
Key switch (1 NO, 1 NC)		front	customized
Real time clock PC compatible		•	•
Watchdog		•	•
Temperature supervisor		•	•
Intelligent power management		•	•
Battery backup		•	•
Goldcap backup <sup>1</sup>		optional	optional
<b>Communication Interfaces</b>			
CFast socket		•	•
SATA interface standard <sup>2</sup>		•	•
USB version 2.0 (high or full speed)		4	4
USB version 2.0 jack (type A)		front	customized
Ethernet 10/100/1000 Mbit (Intel 82574)		2	up to 3
RS232 ESD protected (DSUB9)		2	up to 6
RS422/485 ESD protected (DSUB9) <sup>1</sup>		optional	up to 3
CAN version 2.0b, SJA1000, ESD protected, isolated (DSUB9) <sup>1</sup>		optional	up to 2
HD Audio / Speaker <sup>2</sup>		•	•
<b>Technical Data</b>			
Dimensions W x H x D [mm]		395 x 312 x 69	
Net weight [gram]		7100	
VESA mount (100 x 100mm)		•	•
Input Voltage 10...30VDC non-isolated		•	•
Power consumption typ. in Watt @ 24V (without Add-ons)		22	
<b>Environmental Conditions</b>			
Operating temperature (ambient) -30°C to +65°C		•	•
Storage temperature -30°C to +80°C		•	•
Humidity 20 to 90% non condensing		•	•
Protection standard IP65 front   IP20 rear		•	•
Shock: designed to meet EN60068-2-27		•	•
Vibration: designed to meet EN60068-2-6		•	•
EMI Conformity EN-55022/55024/61000-6-2/61000-6-4		•	•
MTBF ~200 000h (22.8 years) <sup>excluding display</sup>		•	•
<b>Optional enhancement cards</b>			
Wireless Module (GSM/UMTS / GPS / WiFi / Bluetooth) <sup>1</sup>		optional	optional

<sup>1</sup> Please contact factory for minimum order quantities

<sup>2</sup> Internal connector

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.com  
support@syslogic.com  
www.syslogic.com

+41 56 200 90 40 Switzerland (Headquarters)  
+49 7741 967 14 20 Germany and Austria

 **syslogic**  
industrial computing