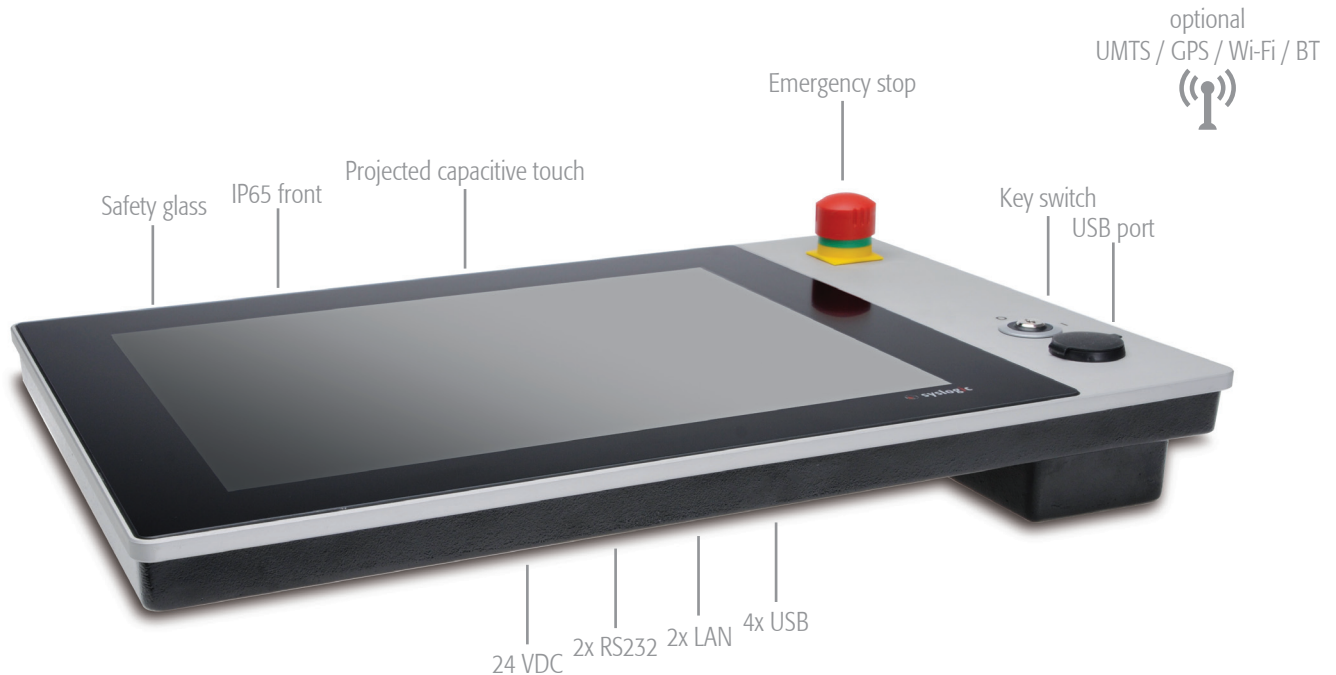


TFT/HVxxxxPU71 Series (VESA)

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 ¹	MySyslogic ¹
Processor / Performance			
Intel Atom E680T 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
TFT Display			
Screen size [inch]		15	10.4 up to 15
Resolution [pixel]		1024 x 768 (XGA)	customized
Brightness [cd/m ²]		400	customized
LED Backlight		•	•
Contrast ratio 700:1		•	•
Viewing angle		H-160° V-140°	customized
Color performance 16.2M		•	•
Features			
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 ¹		optional	optional
Communication Interfaces			
CFast socket		•	•
SATA interface standard ²		•	•
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) ¹		optional	up to 3
CAN version 2.0b, SJA1000, ESD protected, isolated (DSUB9) ¹		optional	up to 2
HD Audio / Speaker ²		•	•
Technical Data			
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	
Environmental Conditions			
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) ^{excluding display}		•	•
Optional enhancement cards			
Wireless Module (GSM/UMTS / GPS / WiFi / Bluetooth) ¹		optional	optional

¹ Please contact factory for minimum order quantities

² 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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