

Control Panel VARAN ETV 1581



with 15" XGA TFT color display

The control panel is an intelligent terminal for programming and visualization of automat-ed processes. Process diagnosis as well as operating and monitoring automated procedures is simplified using this terminal. A touch screen serves as the input medium for process data and parameters. The output is shown on a 15" XGA TFT color display.

With the integrated VARAN manager, the ETV 1581 offers the possibility to construct a high-performance VARAN system to operate for example, decentralized I/O modules, drive systems or communication modules.

Performance Data

Processor	EDGE-Technology X86 compatible
Internal cache	32-kbyte L1 Cache 256-kbyte L2 Cache
BIOS	AMI
Internal program and data memory (DDR2 RAM)	128-Mbyte
Internal remnant data memory	512-kbyte
Internal storage device (IDE)	512-Mbyte microSD
Internal I/O	no
Interface connections	2x USB 2.0, Type A (Full Speed 12 Mbit/s) 1x USB 1.1, Type Mini B 1x Ethernet 1x VARAN-Out (Manager) (maximum length: 100 m) 1x CAN bus

Internal interface connections and devices	1x TFT-LCD color display 1x Touch
Display Resolution	1x TFT-LCD color display 1x Touch
Control panel	5-wire touch screen (analog resistive)
Data buffer	yes
Signal generator	no
Status leds	no
Real-time clock	yes (buffering via battery)
Cooling	passive (fanless)

Electrical Requirements

Supply voltage	minimum +18 V DC	maximum +30 V DC
Current consumption of the +24 V supply	600 mA (with no external devices connected)	0,9 A (with external devices connected)
Inrush current	maximum 27 A für 22 µs	

Terminal

Dimensions	358 x 313 x 62 mm (W x H x D)
Material	Plastic housing: ASA
Weight	3.65 kg

Environmental Conditions

Storage temperature	-10 ... +85 °C	
Operating temperature	0 ... +50 °C	
Humidity	10-90 %, uncondensing	
EMV stability	EN 61000-6-2: noise resistance EN 61000-6-4: noise emission	
Vibration tolerance	EN 60068-2-27	150 m/s ²
Shock resistance	EN 60068-2-6	2-9 Hz: amplitude 3.5 mm 9-200 Hz: 1 g (10 m/s ²)
Protection Type	EN 60529 protection through housing	front: IP54 back panel: IP20

Display

Type	15" TFT Color (6 Bit RGB)
Resolution	XGA, 1024 x 768 pixels
Color depth	18 Bit (262 144 colors)
Pixel grid	0,297 mm x 0.297 mm
Active area	304.128 mm x 228.096 mm
Background lightning	LED
Brightness	typically 350 cd/m ²
Contrast	typically 700 : 1
Perspective of	left and right 80°, above and below 70°

Bedieneinheit

Touch panel	Analog resistive film-glass touch panel
Resolution	12-Bit (4096 x 4096)
Connection technology	5-wire

Article Number and Miscellaneous

Article number	12-230-1581
Hardware version	5.x
Standardization	UL 508 (E247993)

Notizen

