

VARAN Analyzer ETVA 0501



with 5.7" VGA TFT color display

With the ETVA 0501 VARAN Analyzer, the communication for a real-time Ethernet VARAN bus network can be analyzed. The connection is made over a free VARAN port. If no port is available, an existing VARAN bus connection can simply be removed and the VARAN Analyzer inserted.

The ETV 0501-SK is operated through the menus on touch screen. On the 5.7" VGA TFT color display, diagnostic data are clearly shown. The VARAN Analyzer has a USB socket for connecting external storage devices.

Performance Data

Processor	ELAN SC520
Cache	16-kbyte write-back cache
BIOS	yes
Internal main memory (SDRAM) 133 MHZ	64-Mbyte
Battery buffered internal expanded memory (SRAM)	256-kbyte
Internal program memory	10-Mbyte
Internal data memory	40-Mbyte
Internal storage device (IDE)	64-Mbyte CompactFlash
Interfaces	1x VARAN In (RJ45) 1x VARAN Out or Ethernet 10/100 Mbits (RJ45) 1x USB V1.1 type A
Internal interface connections and devices	1x TFT LCD color display 1x Touch
Control panel	touch screen (analog resistive)

Display	5.7" TFT color display 640 x 480 pixels	
Data buffer	lithium battery	
Signal generator	no	
Real-time clock	yes	
Cooling	passive (fanless)	

Electrical Requirements

Supply voltage	typically +24 V DC	
	minimum +18 V DC	maximum +30 V DC
Current consumption of voltage supply	typically 350 mA (at +24 V)	maximum 500 mA
Current load on the VARAN bus (I/O module power supply)	typically 530 mA (at +24 V)	
Inrush current	maximum 2.4 A for 7 ms	

Terminal

Dimensions	203.5 mm x 170.1 mm x 47.5 mm (W x H x D)
Material	aluminium, anodized
Weight	circa 1kg

Control Unit

Touch pad	integrated into display (TOP ITO Film: Anti-Glare Hard Coating & Anti-Newton RingSheet resistance : 450±50 Ω BOTTOM GLASS: sheet resistance : 500±50 Ω)
Resolution	12-bit (4096 x 4096)

Display

Type	5.7" TFT color display
Resolution	VGA, 640 x 480 pixels
Color depth	16-bit (65 536 colors)
Pixel size	0.1815 mm x 0.1815 mm
Active surface	116.16 mm x 87.12 mm
Backlight	LED
Contrast	300 : 1
Brightness	typically 220 cd/m ²
Angle CR > 10	left and right 100°, above and below 100°

Article Number and Miscellaneous

Article number	12-230-0501-VA
Hardware version	1.x

Environmental Conditions

Storage temperature	-20 ... +60 °C	
Operating temperature	0 ... +50 °C	
Humidity	10-90 %, non-condensing	
EMC tolerance	EN 61000-6-2: noise resistance EN 61000-6-4: noise emission	
Vibration tolerance	EN 60068-2-6	2-9 Hz: amplitude 3.5 mm 9-200 Hz: 1 g (10 m/s ²)
Shock resistance	EN 60068-2-27	15 g (150 m/s ²), duration 11 ms, 18 shocks
Protection type	EN 60529: protected through the housing	cover: IP20

Notes

