



Touch screen display and controller

Linux HMI VA is a freely programmable, ARM-based display computer with 7" full-colour TFT and touch screen.


Designed for advanced HMI functions in cost sensitive industrial vehicle applications, Linux HMI VA can integrate several HMI functions like instrumentation, process GUI and video. The widescreen display offers good readability also in direct sunlight and the open software application platform enables easy realization of appealing user interfaces. It is suitable for both bracket mounting and integration in a dashboard. The interaction concept supports any combination of touch screen and programmable keys.

Features

		STANDARD
DISPLAY	7" WVGA, 800 x 480, 18 bit colour depth, 700 cd/m ²	•
INTERFACES		
- CAN	CAN, ISO 11898 2.0B, Bit-rate configurable 20–250 kbps. (1Mbit optional)	2 x
- ETHERNET	1 x 10/100 Base-T	•
- SERIAL	1 x RS232	•
- USB	1 x USB 2.0	•
- DIGITAL I/O	4 x Configurable as in or out	
- VIDEO IN	Analogue Video in, NTSC or PAL	2 x
- AUDIO	Stereo line out	
- WLAN	Built-in 801.11 b/g	
- GSM/GPRS	Built-in GSM/GPRS modem	
- BLUETOOTH	Built-in HCI Bluetooth	
- GPS	Built-in GPS receiver	

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Built for:  **Linux™**

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Specifications

KERNEL

MAIN PROCESSOR	Freescale i.MX 32 Bit ARM processor
COPROCESSOR	STM32F
STORAGE	4 GB, flash for storage
RAM	512 MB DDR3

DISPLAY

TYPE	TFT with LED backlight
LIGHT SENSOR	Automatic dimming possibility

HMI

TOUCH SCREEN	Optional touch screen
PUSH BUTTONS	8 x soft keys option
STATUS LED	Application controllable LED in front panel
BUZZER	For sound notification

SOFTWARE

OPERATING SYSTEM	Linux
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POWER

VOLTAGE	12 or 24 VDC Nominal
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ENVIRONMENT

IP CLASS	IP65
TEMPERATURE RANGE (°C)	-25 to +70 (operating) -40 to +85 (storage)
EMC CONFORMITY	2004/108/EC, EN61000-6-2:2005, EN61000-6-4:2007, ISO 14982:2009
VIBRATIONS	0,01g2/Hz 10-200 Hz
SHOCK	5 g/11ms 3x ±1000 bumps

ENCLOSURE

HOUSING	Nylon ABS-PC
CONNECTORS	Deutch DTM
FASTENING	VESA 50
MOUNTING	Bracket or pedestal