



Touch screen display and controller

Linux HMI XA is an ARM-based touch screen display and controller for creating a premium user experience in cost sensitive industrial vehicle applications.

The wide screen display with all-glass PCAP touch screen offers good readability also in direct sunlight and the open software application platform enables easy realization of appealing user interfaces.

Features

		VALUE	STANDARD	ALL-INTEGRATED	NET+ STANDARD	NET+ ALL-INTEGRATED
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	2 x	2 x	4 x	4 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	4 x	4 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	Freescall i.MX 32 Bit ARM processor
COPROCESSOR	STM32F
STORAGE	4 GB, flash for storage
RAM	256 MB DDR3

DISPLAY	
TYPE	TFT with LED backlight
LIGHT SENSOR	Automatic dimming possibility

HMI	
TOUCH SCREEN	Projective capacitive or resistive 5-wire
PUSH BUTTONS	3 Push-buttons, On/Off, increase/decrease light
STATUS LED	Application controllable LED in front panel
BUZZER	For sound notification

SOFTWARE	
OPERATING SYSTEM	Linux

POWER	
VOLTAGE	12 or 24 VDC Nominal

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	Aluminium. Plastic for Linux HMI XA Value
CONNECTORS	DIN M12, SMA for antennas. Combination of Multipin and DINM12 for Linux HMI XA value
FASTENING	VESA 50

SIZE AND WEIGHT	
SIZE	7"
W x H x D (mm)	227 x 130 x 53
WEIGHT (kg)	1.1

Product Dimensions



130 mm
5.12 in



53 mm
2.08 in

227 mm
8.94 in