



Touch screen display and controller

Linux HMI XS is an ARM-based touch screen display computer that provides the screen capabilities, interfaces and computing power to form integrated HMI systems for industrial vehicles.

The open software application platform for GUI, controls, diagnostics and mobile connectivity enables easy realization of total vehicle HMI systems.

Features

		STANDARD	ALL-INTEGRATED	NET+ STANDARD	NET+ ALL-INTEGRATED
DISPLAY	10.4" XGA, 1024 x 768, LED, 480 cd/m ²	•	•	•	•
	12.1" XGA, 1024 x 768, LED, 400 cd/m ²	•			
INTERFACES					
- CAN	CAN, ISO 11898 2.0B, Bit-rate configurable 20–250 kbps. (1Mbit optional)	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	4 x Analogue Video in, NTSC or PAL	•	•		
- 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

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

Product Dimensions



278 mm
10.95 in

215 mm
8.46 in



69 mm
2.72 in