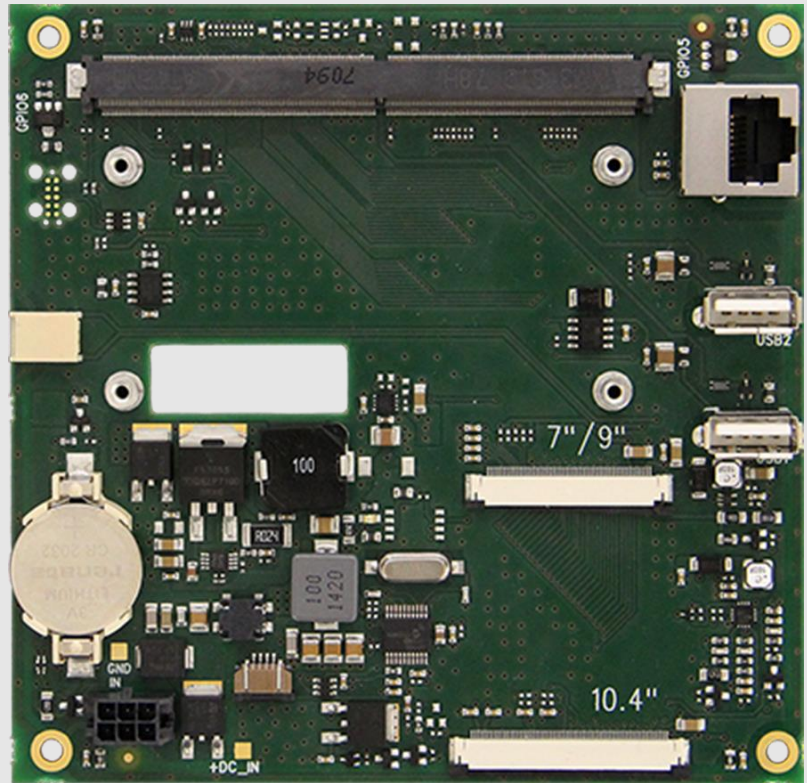# EZ-ROJ-20

Graphic terminal carrier board for SMARC modules.

innovation through creativity

The industrial designed EZ-ROJ-20 is a low cost carrier board designed for EZ-ROJ-1 SMARC module suitable for HMI application. The Roj development kit includes HW boards, LCD and cables, but also includes the Roj-customized API, utility & source codes, including QT ™ basic project (time/date setup, touch calibration, application SW update via USB host). The complete host Linux environment "ready to use" is available through a virtual machine disk image for Oracle ™ VM VirtualBox.

SPECIFICATIONS

SMARC module	**compatible with EZ-ROJ-1**
Dimensions	**120 x 118 mm**
Video	**WVGA 800x480 24bpp for Tianma displays:**
	7" TM070RDH13
	9" TM090RDSG01
	SVGA 800 x 600 24bpp for Tianma 10,4" TM104SDHG30
Backlight	**Led string driver 10V @ 180mA or 10V @ 240mA**
Touch Screen	**Resistive 4 wire integrated via AR1100 controller**
Comunication	**Ethernet port 10/100Mbit RJ45connector**
	CAN 1 port
	USB 2 Host port High-speed
RTC	**PCF8536T Battery on socket (CR2032)**
Power supply	**+24VDC +/- 20%, Max 25W**
Temperature	**0 °C ~+ 45 °C operating - 25°C ~ + 85°C storage**
SW	**BSP customized for EZ-ROJ-1 HMI application**

ROJ