

EZ-ROJ-1

EZ-ROJ-1 iMX6 SMARC MODULE



actual size



innovation through creativity

The cost effective, low profile industrial designed EZ-ROJ-1 module integrates a Freescale 1,2 GHz CORTEX A9 multi core low-power multimedia application processor with LINUX support ready. EZ-ROJ-1 offers a rich set of interfaces, scalable performances due the availability of three versions, extended operation range and long term availability.

A complete host Linux environment "ready to use" is available through a virtual machine disk image for Oracle™ VM VirtualBox.



ROJ

Specifications	SMARC 1.1	
CPU	iMX6 single/dual/quad core up to 1,2 GHz	
Memory	DDR3 up to 4GB eMMC 4GB on board (optional highest capacity)	
Video	HDMI	1920 x 1200
	Parallel RGB 24 Bit	2048 x 1536
	LVDS 2 channels	1366 x 768 (combined 1920 x1200)
I/O	Gigabit Ethernet, PCIe 1 lane, SATA, CAN x 2, RS232 x 3, USB OTG, USB HOST x 2, SPI x 2, I2C x 4, I2S x 2, GPIO x 20, Parallel camera in x 2, Camera in CSI two lanes, SDIO, MMC	
RTC	PCF8536T	
Power	3 to 5,25 VDC / 2 to 6W typical	
Dimensions	82 x 50 mm 314 pin 0,5 mm pitch «memory style»	
OS	Linux, Kernel v 4.9.11 U-boot 2017.03	
Temperature	Industrial temperature range (-40+85 °C)	
SW	BSP YOCTO, Linux Ubuntu 16.04 (virtual machine disk image ready to use available) GUI Library QT™ 5.x.v	



Industrial automation



Communication



HMI