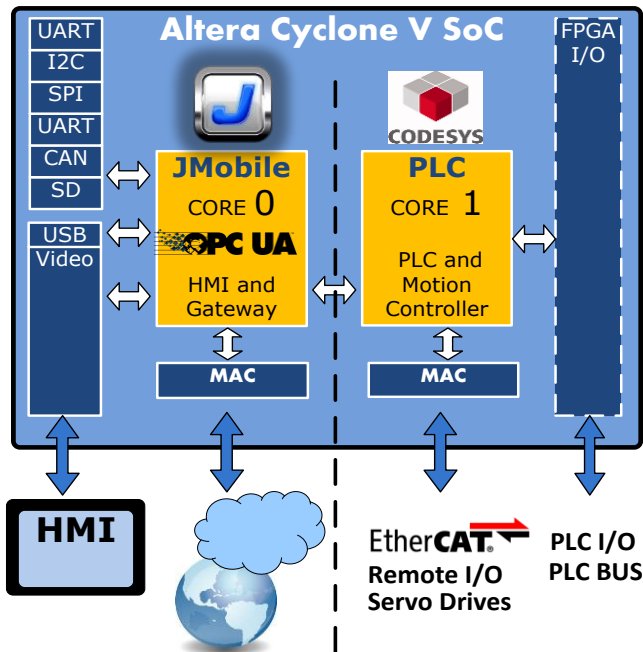


HMI+PLC with OPC-UA Industry 4.0 platform



JMSoC is a software and application suite that provides a complete Altera® CV SoC solution for control, connecting equipment and visualizing data.

JMSoC solution allows CV SoC users to easily develop a customized GUI application using object-oriented programming in a few weeks without writing a single line of C code.

JMSoC runtime is integrating OPC-UA interface and designed to optimize the performance and the size of memory running Embedded Linux on Altera® CV SoC platform

JMSoC is programmed by JMobileStudio (Altera edition) using CODESYS 3.x development tool for Motion / SoftPLC control applications.

Highlights

- Industry 4.0 platform with Cloud enabled OPC-UA Client/Server architecture. Remote connectivity services.
- JMSoC integrated HMI, PLC and OPC UA communication solution saves significant development time and reduces time-to-market
- User-friendly and high quality 2D vectorial graphic (SVG) rich-graphical GUI
- Multi-touch panel enables users to operate equipment more efficiently by touching & swiping a display
- Easy to create and maintain new applications (JMobile Libraries) using JMobile Studio Altera edition framework.
- Optional SoC device connectivity with suite of +200 communication protocols suite
- IEC 61131-3 CODESYS 3 for Control I/O and Motion control. Direct access R/W to all PLC variables
- Mobile devices remote visualization based HTML5 web technology

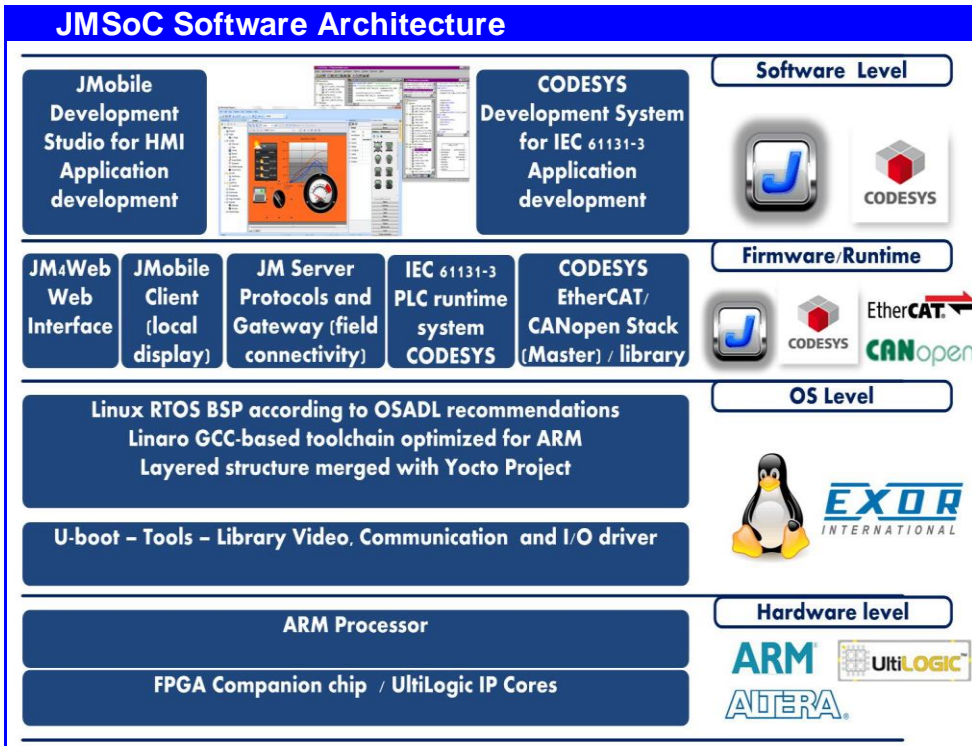
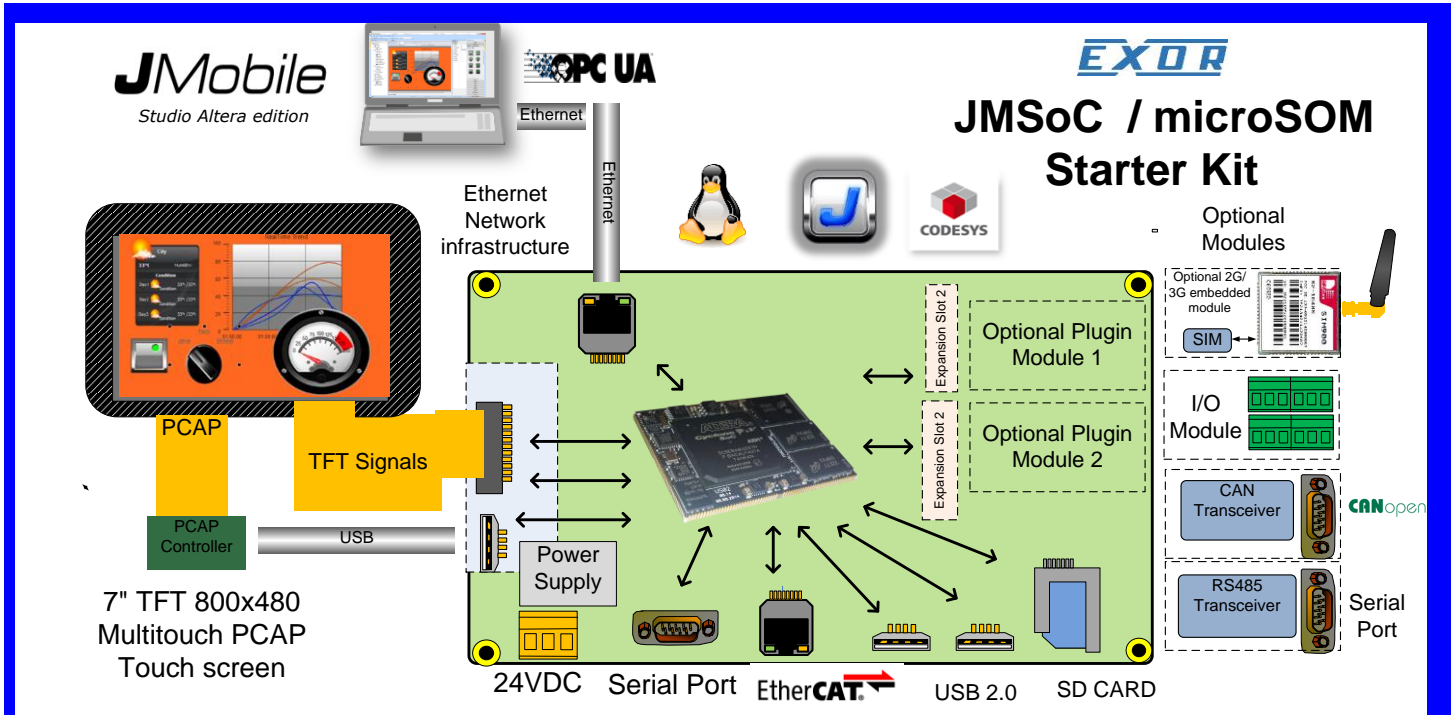
Main Applications

- Factory Automation
- Building & Home Automation
- Marine Automation
- Mobile Industry
- Transportation e-Vehicle
- Medical
- Vending Systems & Kiosk
- Energy Smart Systems
- Embedded Industry

Technical data

CPU	Altera® Cyclone V SoC family Dual Core ARM Cortex-A9 Integrated with FPGA up to 110K LEs
OS	Linux RTOS
VideoController	Exor UltiEVC – FPGA IP core LVDS/TTL LCD interface
HMI Framework	JMobile Studio Altera edition HMI
SoftPLC	3S CODESYS – IEC 61131-3 and Soft Motion
Communication protocols	- CODESYS ETH protocol. - Ethercat Master - OPC-UA industrial M2M protocol

JMSoC - microSOM Starter Kit



Deliverables

JMSoC Linux Runtime
ARM DS5 Toolkit Altera® CV SoC - Linux RTOS BSP (OSADL)

JMobile Studio (Altera edition)
CODESYS Ethernet communication protocol.

UltiEVC Embedded Video Controller
IP core including Linux frame buffer Video driver

CODESYS – IEC 61131-3 and Soft Motion including Ethercat Master Runtime (optional)

Starter Kit including User Manual and Application notes

Exor Embedded S.r.l. www.exoreembedded.net
Via Stoppani 23, 34077 Ronchi dei Legionari (Gorizia), Italy
E-Mail: info@exoreembedded.net | techsupp@exoreembedded.net

JMSoC
JMSoC Sales contact and Tech.support Email : jmsoc@exorint.net

JMobile www.jmobile.net/
JMobile Sales and Technical support Email: techsupp@exorint.it

USA
Exor America
Email: info@exorameric.com
Phone: +1 513 874 0900

Germany
Exor Deutschland GmbH
Email: info@exor.de
Phone: +49 202 27911 0

India
Exor India Private Ltd
Email: info@exorindia.com
Phone: +91 22 27810422

Switzerland
EXOR Schweiz GmbH
Email: info@exorschweiz.ch
Phone: +41 55 619 58 07