

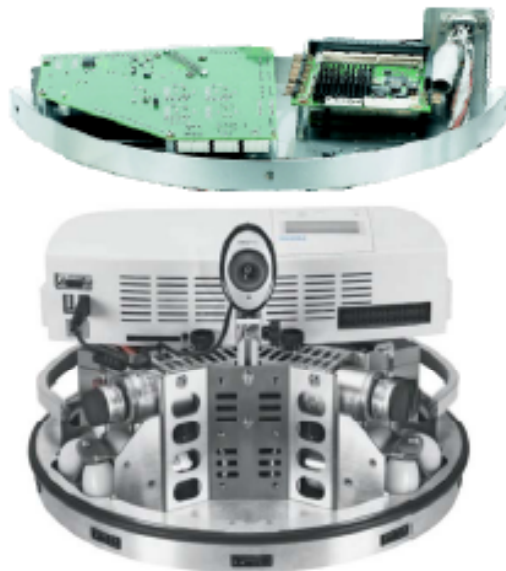
Robotino® Update

The following are the updates:

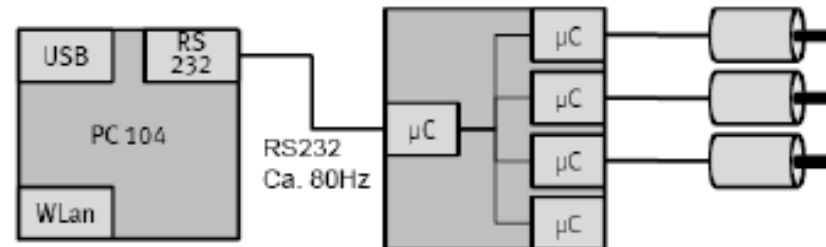
- Hardware : Robotino® 2 – The new version
 - New controller board EA 09
 - New W-LAN Access point
- Software
 - New programming software, Robotino View 2
 - New operating system 2.0

Robotino® Update - Hardware

Previous version:



- **Controller board with external IO-interface**

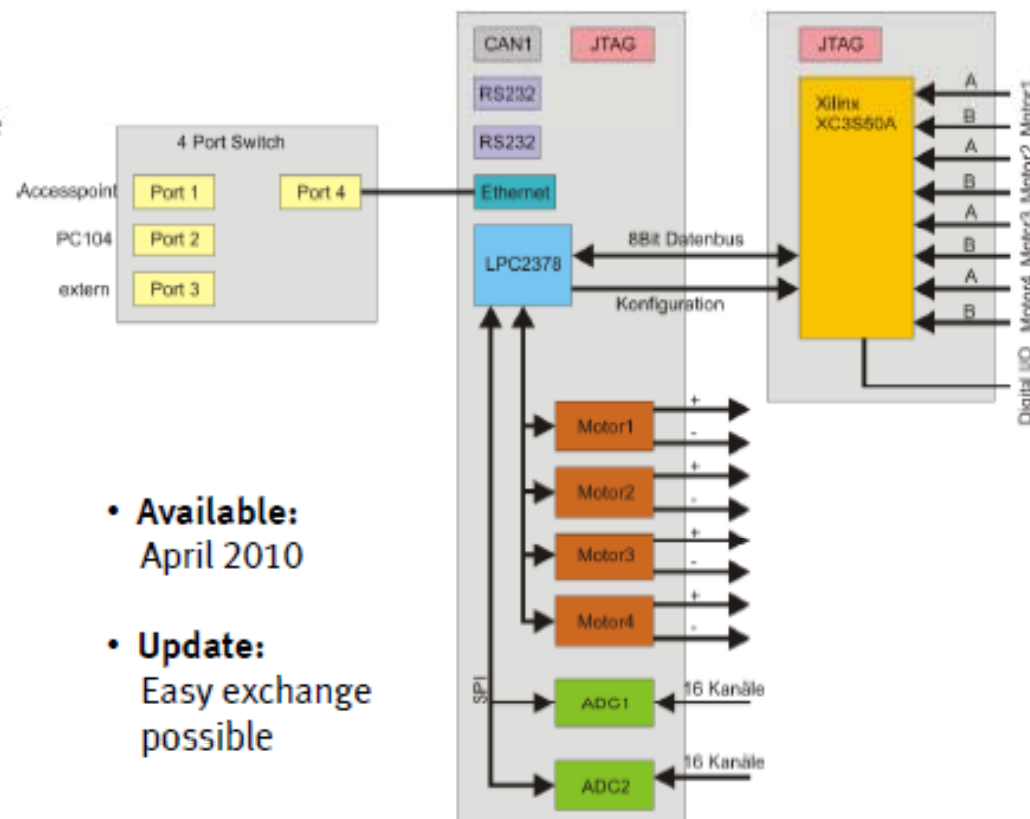


User access to controller board only via slow serial interface =>

- **no real-time monitoring and**
- **no external motor control possible**

Robotino® Update - Hardware

- **Compatibility:** PC 104 communicates via serial interface with EA09 following the same protocol as before
- **Direct fast access** to the EA09 via Ethernet switch
- **JTAG interface** allows Micro processor programming
- **FPGA** provides fast sensor evaluation



- **Available:** April 2010
- **Update:** Easy exchange possible

Robotino® Update - Hardware

W-LAN Access Point

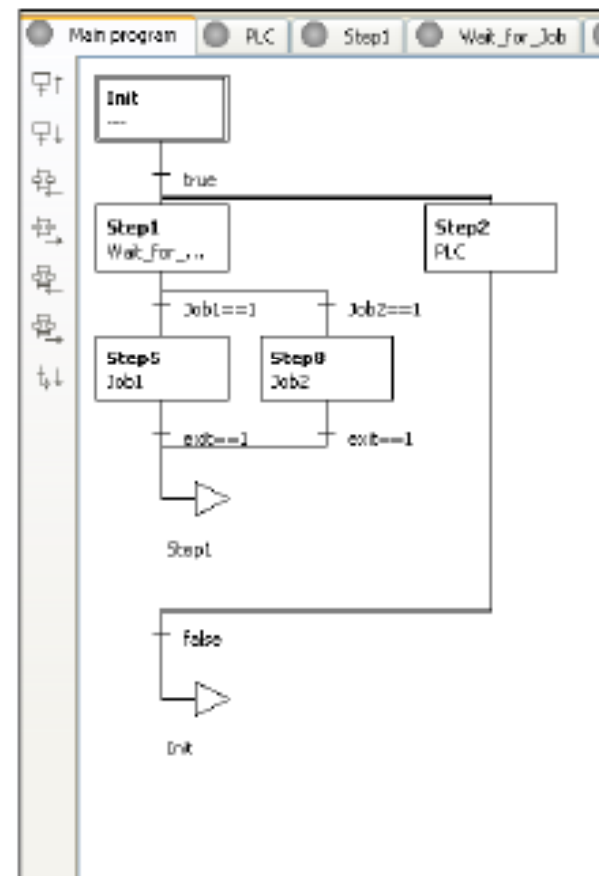
- Very powerful
- Allows to build-up a stable W-LAN network



Robotino® Update - Software

Robotino® View 2

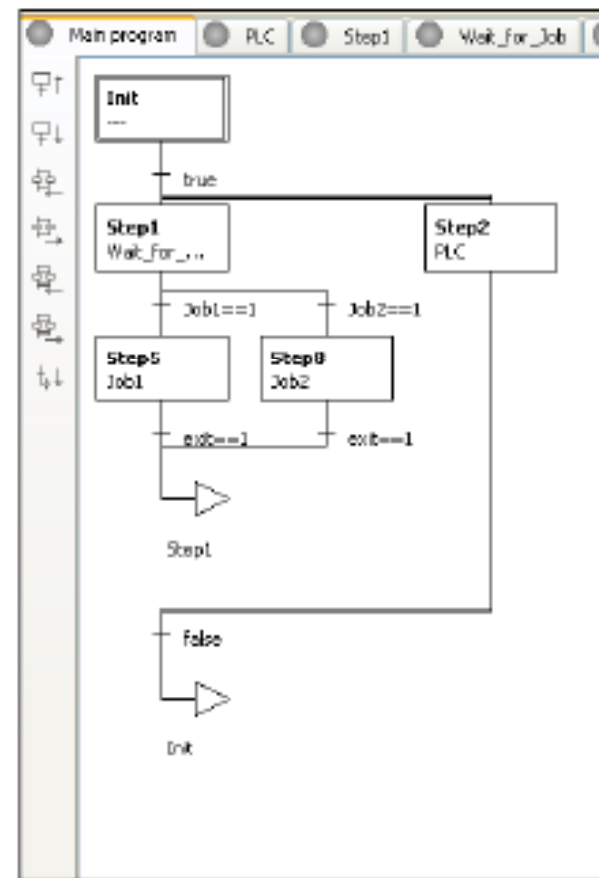
- State of the art programming structure:
 - Main program, sub-programs, ..
 - SFC programming following the international standard IEC 61131
- Open user interface to create own generic function blocks using C++
- Several Robotinos can be controlled by one application program
- Online update
- Cannot transfer programs from version 1.7



Robotino® Update - Software

New Operating System 2.0

- CF card (1GB) with Ubuntu Linux operating system (Real-time kernel)
 - Recommended 4GB CF card
- Upload of Robotino View project on Robotino controller – autonomous Robotino View application
- Update of CF card via Robotino View
- Update of firmware on micro-processor via Robotino View



Robotino® Update - FAQ

- How do I migrate to Robotino View 2?
 - To use all the features of Robotino view 2, you need to have the new operating system 2.0. If you already have a 1GB CF card, you can download the new operating system on this card. The procedure is described on the Festo homepage or you can order a new 1Gb or 4GB CF card.
- Do I need the new controller board?
 - No.
- Can I use the W-LAN access point device with the existing Robotinos?
 - Yes