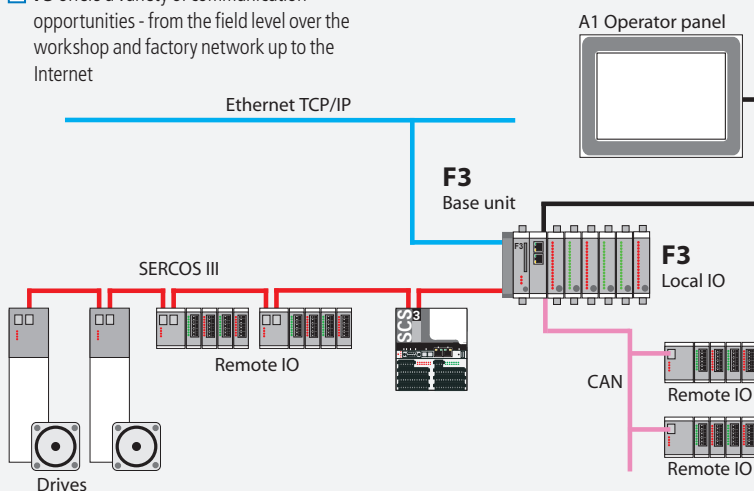


**SERCOS**  
interface

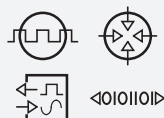


## F3 Programmable Automation Controller

- F3 offers a variety of communication opportunities - from the field level over the workshop and factory network up to the Internet



- The F3 local IO bus allows an easy and flexible expansion with IOs. This means modularity at compact dimensions and low system cost.



- PC based Control & Visualization
- Intel®-Atom™-CPU
- SERCOS III Realtime Ethernet
- Local & Remote IOs
- IEC-61131 & Motion

F3 is a Programmable Automation Controller (PAC). It combines the features and capabilities of a PC based control system with that of a typical PLC and motion control.

„High Performance – Low Power – Low Cost“ are the maxim of the F3 device family with Intel®-Atom™-CPU. The low power consumption of the CPU enables operation with passive cooling at extrem compact dimensions and low system cost.

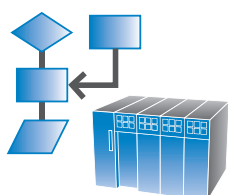
In spite of the compact enclosure the F3 base unit offers all interfaces known from the PC technology like Ethernet and USB. Operator panels are connected over DVI/VGA or via the Automata Panel Interface, a solution to transmit video, touch, USB and power over a single cable.

The integrated IO bus allows the local or remote connection of F3 IO modules. For high sophisticated applications a SERCOS III master interface is available. 512 KB NVRAM and a CAN interface complement the list of important features for the application of the F3 as a automation controller.

The F3 base unit is programmed with CoDeSys in IEC-61131, as operating system Windows® CE is used. Other operating systems are available on demand.

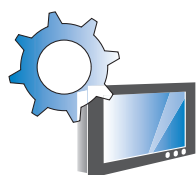
Technical Information		F3 - Programmable Automation Controller
<b>CPU</b>		Intel® Atom™ Z5XX 1.1 or 1.6 GHz
<b>Memory</b>		max. 1 GB system RAM, 512 kB NVRAM (w/o battery/accu)
<b>Ports</b>	<b>Serial</b>	1 x RS232/RS422/RS485 (configuration over DIP switch)
	<b>USB</b>	1 x USB over type A connector, 1 x USB over DVI connector
	<b>Ethernet</b>	1 x Gigabit Ethernet
	<b>Kbd/Mouse</b>	over USB
	<b>Video</b>	1 x DVI/VGA or 1 x Automata Panel-Interface (MD)
<b>Mass storage</b>	<b>CF</b>	256 MB (other sizes on demand), accessible from front side
<b>Field buses</b>		SERCOS III (Realtime Ethernet), CAN
<b>Local and remote IOs</b>		Digital: 16DI/16DO 0.5A, 4DI/4DO 2A, Analog: 2AO, 2AI, 2Pt100/3TC, max. 15 local IO modules
<b>Dimension</b>	<b>H x D x W</b>	2 slot base unit: 99mm x 115mm x 60mm, 3 slot base unit: 99mm x 115mm x 80mm, IO module: 99mm x 115mm x 22mm
<b>Power supply</b>		24VDC
<b>Cooling</b>		passive
<b>Enclosure</b>		plastic
<b>Mounting</b>		DIN rail
<b>Operation temperature</b>		0°C ÷ +55°C
<b>Protection class</b>		IP20
<b>Operation systems</b>		Windows® CE, Windows® Embedded, Linux (others on demand)
<b>Software</b>		CoDeSys IEC-61131 and CoDeSys Target-Visualization (others on demand)
<b>Certifications</b>		CE

## Automata Product Overview



### Controls

- compact and modular controls for decentral and central system architectures
- IEC 61131-3 programmable
- Motion Control
- CAN, SERCOS II/III, Profibus, Ethernet



### Industrial PCs and Operator Panels

- fanless
- scalable performance
- different shapes
- different operating systems
- SoftPLC & SCADA software



### SERCOS products

Realtime Ethernet

- SERCOS hardware components and boards
- Master and slave driver software
- Control and IO systems
- Development, consulting, training

### Customized solutions

We adapt our standards to your needs. As partner of the medium-sized machine building industry we are working exactly according to your needs. Not more and not less!



**Automata**  
AUTOMATA

**AUTOMATA GmbH & Co. KG**  
Gewerbering 5  
D-86510 Ried

**AUTOMATA S.p.A.**  
Via G. Carducci, 705  
I-21042 Caronno Pertusella (VA)

**FLTECH**

上海丰林科技有限公司  
GUb[ \Uj: Yb[ ]b HWbc'c[ ]Yg 7c" @X

上海市浦东大道1139弄1号楼1305室

Hr"Ž, \* f\$&%"&(+((+,  
: U Ž, \*\* f\$&%) \$- ' ' , - &  
YA Uj. fcn'g Yb4 ZHWW Vda "W  
k k k "ZHWW Vda "W