F6 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 F36 device family with ARM CPU.

The low power consumption of the CPU enables operation with passive cooling at extrem compact dimensions and low system cost.

The integrated IO bus allows the local or remote connection of F3 IO modules.

Each Module can be combined individually or multiples for any configuration need.

The high integration allows the remote and the expanability of modules blocks, whether locally at the control unit, through the local bus or as a distributed I/O station.

The F6 base unit is programmed with CoDeSys in IEC-61131, as operating system Windows® CE is used.

Other operating systems are available on demand.

F6 offer a variety of communication opportunities from the field level over the workshop and factory network up to the internet.

The F6 local IO bus allows an easy and flexible expansion with IOs. This means modularity at compact dimensions and low system cost.
### Technical Information

**CPU**
ARM processor: Texas Instruments AM3356-Sitara ARM Cortex - A8 Microprocessor

**Memory**
512 Mbytes DDR3 SDRAM

**Ports**
- Serial: 1 x RS232/RS422/RS485 (configuration over DIP switch) and 1xRS485 only COM Port
- USB: 1 x USB host port
- Ethernet: 2x10/100 Ethernet Ports
- Kbd/Mouse: over USB
- Video: LCD pin header for debug purposes only

**Mass storage**
CF: 512 MB NAND Flash memory

**Local and remote IOs**
Digital: 16DI/16DO 0.5A, 4DI/4DO 2A, Analog: 2AO, 2AI, 2Pt100/3TC, max. 15 local IO modules

**Dimension**
H x D x W: 99 mm x 114,5 mm x 22,5 mm

**Power supply**
24VDC

**Cooling**
passive

**Enclosure**
plastic

**Mounting**
DIN rail

**Operation temperature**
0°C ÷ +55°C

**Protection class**
IP20

**Operation systems**
Windows® CE, Windows® Embedded, Linux (others on demand)

**Software**
CoDeSys IEC-61131 and CoDeSys Target-Visualization (others on demand)

**Certifications**
CE