

Embedded Automation

mServer Commercial

Building Automation System



- ❖ **Proven technology.** Backed by a world leader in embedded systems, Beckhoff Automation, mServer hardware has been proven in extremely rugged environments all over the world.
- ❖ **Unparalleled expandability.** mServer supports EIB, LON, INSTEON control networks and a wide array of computer interfaces and over 180 I/O modules.
- ❖ **Compact and convenient.** With a small footprint, mServer can be DIN-rail mounted in almost any location
- ❖ **Easy to Use Software.** mServer can be programmed using a variety of programming languages. Control and access your building information remotely.

mServer System Overview

Software:

- mControl v1 (Embedded Edition)
- Microsoft Windows XP Embedded

CPU:

- Compatible with Pentium MMX,
- 512MB Compact Flash Card (Storage)

mServer Base Module (CX1000):

- 1 x RJ45 (Ethernet)
- 1 x 9-pin D-sub (RS-232)
- LEDs: Power, LAN Info, Flash Use

mServer Interface Module (CX1000-N001):

- 2 x USB Port (for INSTEON)
- 1 x DVI Video Out

mServer Power Supply Module (CX1100-0002):

- 24V DC (-15% / +20%)
- LEDs: Power, I/O Run, I/O Error

Dimensions and Mounting

- 57 mm x 100 mm x 91 mm
- 355 g
- DIN-rail mountable

Environmental Specifications

- Operating: 0°C to +55°C
- Storage: -25°C to +85°C
- Relative Humidity: 95%, no condensation
- Vibration/Shock: Conforms to IEC 68-2-6/IEC 68-2-29
- EMC Resistance : Conforms to EN 50082 (ESD, burst)
- ESD: EN 50081

Programming

- TwinCAT real-time PLC (IEC-61131)
- mControl macros and scripting engine

Expansion Modules

Building Automation Interfaces:

- EIB, LON, INSTEON (via USB)

Fieldbus Interfaces (Masters or Slaves modules):

- DeviceNet, Profibus, CANopen, Sercos

I/O Modules:

- Digital I/O (5V DC, 24V DC, 120V AC/DC, 230V AC)
- Analog I/O (0-2V, 0-10V, +/-10V, 0-20mA, 4-20mA)
- Other (Counter, PWM, Pulse, Thermocouple)

