### LONIX

MAKING

THE BUILDINGS

PERFORM

## LX-BMS-U10

- Intelligent Unit Controller
- 10 Flexible I/O Points (5UI, 2UO, 3DO)
- 32-bit ARM Processor
- Configurable Functionality
- Selection of Built-in Applications
- User-friendly front panel with Power LED, Status LED and Function Button
- Expansion with Bus Plug-in Feature
- Robust Single-Piece Design



## FLEX U10 UNIT CONTROLLER

The Lonix FLEX Series U10 UnitController, applying latest technologies and modern design, ensure advanced controls and versatile functionality in complex control systems, all included in a robust single-piece design.

The U10 is perfectly suited for lighting controls, room automation and unit controls, and is especially suited for controls of hotel guest rooms, office rooms and business spaces as well as fan coil units and split units. Having all the intelligence for complex controls as embedded in each controller, the U10 supports distributed intelligence and centralized system designs alike.

The system can be easily expanded through the bus plug-in feature available in each controller, allowing controllers to be easily plugged straight into the next controller without any external wiring. Additional operating voltage output 12VDC is available to supply power for e.g. the occupancy detector.

## TECHNICAL DATA

| | |
|---|---|
| **Operating Voltage:** | 24V AC/DC (±10%) |
| **Operating Temperature:** | 10-50°C |
| **Power Required:** | 0.9 W (with no I/O connected) |
| **Overload Protection:** | Resetable automatic fuse |
| **Main Processor:** | ARM Cortex™ M4 (Kinetis K10) |
| **Network Processor:** | FT-5000 |
| **Network Interface:** | TP/FT-10 |
| **Memory:** | 256 kb Flash, 64kb SRAM |
| **Clock Frequency:** | 50 MHz |
| **DI:** | Potential free contact |
| **AI:** | 0-10 VDC, Pt1000, Ni1000-LG, Ni1000 (DIN) |
| **DO:** | Open collector, max 750 mA/controller |
| **AO:** | 0-10 VDC, 20 mA |
| **IP Class:** | IP20 |
| **Dimensions:** | 110 x 71.30 x 62 mm |
| **Mounting:** | 35 mm DIN rail |
| **Connection Strips:** | Removable, wire max 2,5 mm2 |
| **EMC Compatibility:** | Compliance according to EN 55022, EN 61000-4-3 and EN 61000-4-5 |
| **Production Standards:** | ISO-9001, ISO-14001 |

**ORDER CODE: LX-BMS-U10**