

# UTIL

## Electronic modules

### IP unit controllers

#### Multifunctional & secure

The UTIL module is used for access control and BMS. Its native IP mode ensures its integration in multi-site architecture or MICRO-SESAME access control systems.

It manages up to 2 doors and the corresponding external equipment. It can be associated to other remote modules, managing up to 6 additional doors, distributed on both RS485 buses and at a maximum distance of 600 metres.

The UTIL module communicates over the network in a crypted mode. In case of communication loss, its autonomous mode ensures operation and event records registration. Direct communication with other UTIL modules in the network is also possible.

The UTIL module has a DIN rail mount format.

#### HIGHLIGHTS

- Supporting a large quantities of badges  
Depending on the version and the number of connected readers, the UTIL can manage up to 40.000 users or IDs. Specific versions allowing to manage larger amounts of users or IDs can be available upon request.
- Autonomous operating mode  
In case of communication loss between the UTIL and the MICRO-SESAME server, the autonomous mode ensures operation as well as event record registration for the last 10 000 events. When communication is restored, event records are transferred to the server.



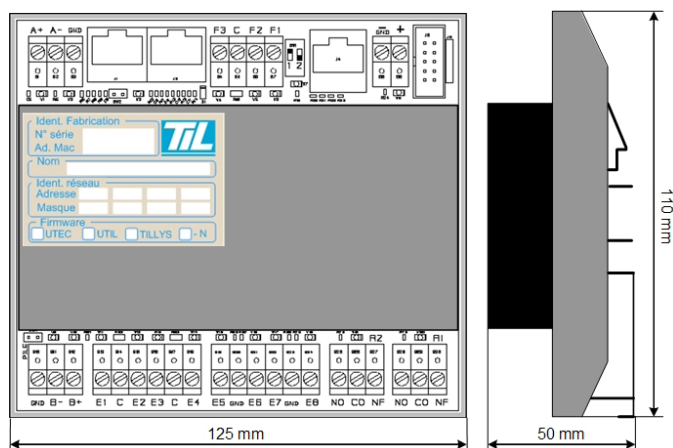
#### Features

- The embedded firmware contains all automatism and local configuration (programs and variables, up to 6.000 instructions).
- Extensible architecture using dedicated remote modules in the RS485 mode : 1 to 4 access cards, management of opening times, BMS...
- Interfacing all identification technologies (readers, keypads, biometrics, car plate readers...) via terminals and the multi-protocol management features.
- Direct communication between UTIL/TILLYS modules.
- Crypted communication possible between the server and the UTIL.

## BMS & AC systems

UTIL	REMOTE MODULES	TERMINALS	ACQUISITION MODULES	BADGE READERS	RELEASE BUTTONS
					

## Dimensions

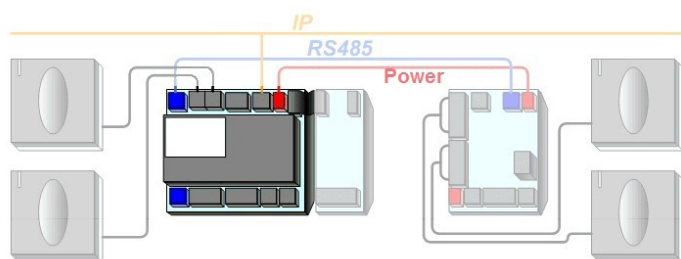


## Dedicated extension modules

A range of remote modules on the secondary bus can manage up to :

- ▶ 6 additional reading heads, 8 display/keypad modules.
- ▶ 180 relay or transistor outputs, 32 analogue inputs, 300 balanced and discrete inputs.

## Architecture



## References

- ▶ **UTIL8-IP** : manages 2 readers (extension to 8 readers possible), 19 000 users/38 000 IDs, IP network connection.
- ▶ **UTIL2MX-IP** : manages a maximum of 2 readers, 40 000 users/40 000 IDs, IP network connection.
- ▶ **UTIL4MX-IP** : manages 2 readers, extension possible, 30 000 users/30 000 IDs, IP network connection.

## Technical data

- ▶ **Power supply**: 12 VDC / 85 mA (115 mA max).
- ▶ **Clock calendar**: Plugable lithium battery backup, 64 time schedules (128 with MICRO-SESAME 2015.3).
- ▶ **Network communication**: Ethernet 100 base T network card, RJ 45 connector, 2 indicators.
- ▶ **Connexion**: Cage-type screw terminal strips.
- ▶ **Leds**: For power supply & for each input / output.
- ▶ **Dimensions**: 110 x 125 x 50 mm.
- ▶ **Operating humidity**: 0 to 95%.
- ▶ **Operating temperature**: 0 to 50°C.
- ▶ **Discrete inputs**: 7 discrete inputs, 5 to 30 VDC or dry contact (1 common per 2 inputs).
- ▶ **Balanced inputs**: 4 inputs with resistance line monitoring.
- ▶ **Relay outputs**: 2 NO/NC relay outputs, constant 5A/28V or alternate 10A/28V.
- ▶ **Local extensions** : 7 modules I/O with 8 channels per HE10 connector.
- ▶ **Remote extensions** : Secondary RS 485 bus, up to 600 m (19 200 bds)
- ▶ **Readers** : 2. Possibility of extension for up to 8 readers per remote module (MDP1, MDPES, ...)
- ▶ **Weight**: 0,26 kg
- ▶ **Set of 8 resistances** supplied for wiring balanced inputs

## Your distributor

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