

# BOREY

COMPREHENSIVE  
AND CONVENIENT

Network IP-controller  
for access control and  
intrusion alarm systems



## Overview

BOREY® IP-controller provides an optimal combination of access control and intrusion alarm functions in one device.

The advanced computing platform of the IP-controller enables it to work effectively without the use of special server software, both autonomously, and in cooperation with other devices in the network.

This allows you to use BOREY to create fast, reliable and fault-tolerant systems regardless of the scale of the object.

The built-in intuitive web-interface makes the use of the controller simple and effective, and it also allows you to access the system information from any computer, tablet or smartphone at any time.

## Features

- 2 access points;
- Up to 38 alarm inputs: 8 onboard + 30 through AM-06;
- 100000 card holders;
- 300000+ events in the log;
- Any card formats and readers;
- Support for biometry readers<sup>1)</sup>;
- Integration with perimeter protection systems<sup>2)</sup>;
- Web-interface for configuration, management and control, photo-ID and card holders management software onboard;
- Direct interaction between controllers.

<sup>1)</sup> Direct communication with HandKey II (Schlage) reader is supported.

<sup>2)</sup> May require additional development. Contact ITRIUM for information.

## Ordering information

- BOREY P.000 — w/o enclosure;
- BOREY P.077 — IP20 enclosure;
- BOREY U.041 — IP64 enclosure;
- BOREY-HK — BOREY v. P.077 modification for use with SCHLAGE HandKey II biometric readers (hardware integration via RS232 or Ethernet).

## BOREY specifications

Communication interfaces	2x Ethernet 10/100 BaseTX, RJ-45 (the interfaces are galvanically isolated by a transformer) 1x S-ART address line for alarm inputs extenders 2x RS-232 for connection of modems, readers, and other equipment 1x USB 2.0 (type "A") for connection of modems or other equipment 2x Wiegand / 1-Wire for connection of readers
Power	1x input, DC 12 ÷ 24 V, (0.15A at 12V), up to 2 W
Modem power	1x output, 0.7A at (12-24V)
Inputs	8x resistant inputs $3 \pm 5\%$ kOhm and $510 \pm 5\%$ Ohm, 0.125 W (alarm inputs / door contact / exit button) Input "Power fault", Input "Battery fault", Enclosure tamper
Outputs	2x relay outputs AC 120VA, DC 60W
Dimensions	162x110x20 mm (P.000); 205x150x33 mm (P.077); 210x146x55 (U.041)
Weight	Less than 1.15 kg
Temperature	-50°C ÷ +60°C (storage); -40°C ÷ +60°C (operation)
Humidity	95% max, non-condensing

The BOREY S-ART address line allows to expand the controller's functionalities with AM-06 modules.

Two Ethernet interfaces and an integrated network switch allow you to connect several controllers into a daisy chain or a ring network, which does not require any dedicated network infrastructure

