



Bluelon BlueAccess BAL-100-LW



Access Control:

- Wiegand based interface
- Fast response time
- Supports most industry
- Aux. for door-lock & alarm

Installation/maintenance:

- Compact and discrete design
- Configurable via LonWorks based configuration tool
- Virtual I/O's via LonWorks® (E.g. HVAC or Lighting)
- Locally or Remotely upgradeable firmware

BlueAccess BAL-100-LW is a new type of iTooth Server compatible access control device supporting Wiegand protocol interface for use with virtually any legacy Wiegand device.

The BlueAccess BAL-100-LW device enables building owners to reuse existing investment in legacy Wiegand enabled readers and cards. The device enables to budget for a partial or gradual upgrade of existing buildings or gate systems, currently equipped with older Wiegand based devices, to the most modern Bluetooth, LonWorks, .NET, ASP and SQL based access control technology. This allows the building owner to minimize the up-front investment cost and spread or delay the total upgrade cost over a number of fiscal years.

The device is designed to seamlessly integrate with the latest version of the iTooth Server which supports a selection of legacy Wiegand enabled devices, such as, selected stand-alone Keypads, Biometric Readers, generic Credit Card type of readers, HID™ cards and a wide range of other 125Khz cards together with Mifare, iClass, and many other legacy 13.56 MHz technologies. The feature allows for over-all cost reduction in both retrofit and new projects, where it is the intention to either gradually

transition to Bluetooth based access control technology or where a technology mix is desired. BlueAccess BAL-100-LW is typically installed in a location inside the secured area where is it normally not visible to the user.

BlueAccess BAL-100-LW is equipped with screw terminals for 10-24 volt AC or 12-30 volt DC power supply from existing "controllers" or card readers.

BlueAccess BAL-100-LW, in summary, makes it possible to upgrade legacy Wiegand compatible access system to "state of the art" technology at a low cost compared with a total system replacement..

The iTooth Server has been tested to be compatible with with the following third-party Wiegand based access control modules:

Deister bioProxII allows you to choose between two biometric sensors and between all available PRX5 proxEntry® readers.



Deister - ProxMagic KPD 5 - Keypad Reader The added pinpad gains a high level of security.



The PRD 5 creates an upgrade path for users with existing populations of 125KHz cards. ProxMagic reads existing HID™ and a wide range of other 125Khz cards together with Mifare, iClass™ and many other 13.56 MHz technologies. All on a single reader!





Bluelon BlueAccess BAL-100-LW

Technical specification:

Wireless Range:

0,5 - 50 Meter

Inputs:

D1: Exit button - Open Collector, reference to OV

D2: Door contact - Open Collector, reference to OV

Outputs:

Aux 1: Door/Gate Output Max 1 Amp. / 24 Volt

Aux 2: Tamper Alarm Output Max 1 Amp. / 24 Volt

D3: Wiegand Data - Open Collector, reference to OV

D4: Wiegand Data + Open Collector, reference to OV

Dimensions:

H=130 mm, W=65 mm, D=20 mm

Supply voltage:

10 - 30 Volt DC
8 - 24 Volt AC

Power consumption:

v/ 12 Volt: 120 mA
v/ 24 Volt: 60 mA

LonWorks®

Channel type:
FTT-10

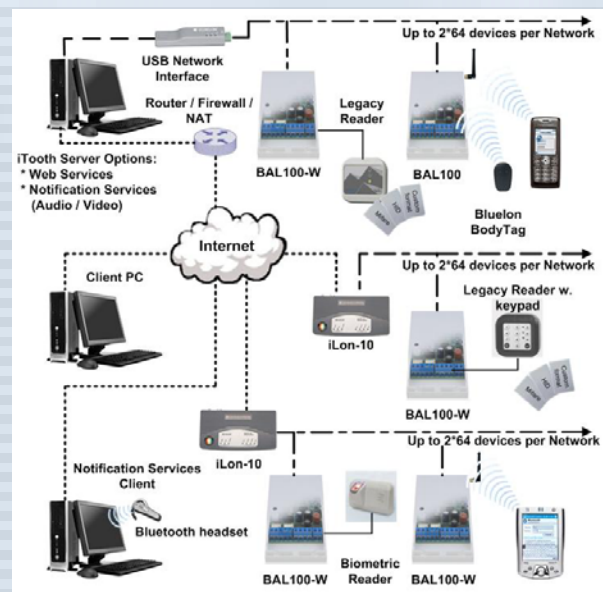
SNVT's:

1. SNVT Switch
2. SNVT String Ascii
1. SNVT_ent_state
1. SNVT_ent_status

Supported objects:

EntryExit object

iTooth networks architecture



Bluetooth™ facts:

Bluetooth™ is developed by Ericsson and is a short-range (up to 100 m.) wireless communications standard. Bluetooth™ is designed to communicate with devices such as mobile phones, PDA's, headsets, laptops. The Bluetooth Special Interest Group (SIG) has announced that the Bluetooth market has passed the impressive milestone of 9.5 million Bluetooth units shipping per week. In May 2005, the shipment figures were 4.75 million per week according to IMS Research and in September 2006 - only four months later - this figure had doubled, exceeding even the most optimistic analyst projections.

LonWorks® facts:

Since 1988 LonWorks® have been implemented in more than 50 millions components and is worldwide installed into buildings, fabrication equipment, trains, private homes, airplanes. LonWorks® enables these components to communicate with each other on a local bus or even by the Internet and is today, the leading de facto worldwide, cross-industry standard for networking everyday devices.

Rev. 10/07-06

Bluelon

Nattergalevej 6, DK-2400 Copenhagen NV, Denmark. Phone: +45 3321 4012 Fax: +45 3321 4014, Mail: sales@bluelon.com