ISONAS™
PURE IP ACCESS CONTROL

PureIP™ IP–Bridge 2.0

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2-Door Model – PN: IPB2.0-2Door
3-Door Model – PN: IPB2.0-3Door

The next generation of the access control encoder has arrived. Easily and cost effectively expand legacy systems to operate within an ISONAS Pure IP environment without having to issue new credentials or replace existing system panels. The IP-Bridge 2.0 connects the modern IP-network world and legacy wiegand installations. Simply unplug existing panels and attach wiegand readers directly to the IP-Bridge 2.0. When paired with the ISONAS R-1 reader, the IP-Bridge 2.0 provides legacy systems a path to mobile credentials.

IP-Bridge 2.0 Features and Benefits:

- **Avoid Rip and Replace:** Replace an existing panel system and eliminate the need to rip and replace existing reader hardware to fully upgrade your system.
- **Cost Effective Migration to IP:** Keep existing power supplies, wiegand readers and credentials and simply takeover with the IP-Bridge 2.0.
- **Leverage infrastructure investments:** Migrate to Pure IP access control within your budget.
- **Utilize a single network port:** Manage up to 96 doors by daisy chaining up to 32 IP-Bridges in series through the dual network port.
- **Simple Path to Mobile Credentials:** Connect the ISONAS Wiegand Reader (R-1) with BLE to add mobile capabilities to your site.
- **Two and Three Door Options:** Customize your quantities to your specific needs.
- **Local Mode Functionality:** Each door is capable of storing 20,000 credentials, 5000 access events, and 32 time schedules allowing the device to function in local mode with limited dependability on the host.

SPECIFICATIONS

CONSTRUCTION
- Flame-retardant ABS
- DIN rail mountable
- Dimensions: 6.28" X 3.55" X 2.26"

POWER OPTIONS (field selectable)
- Power Over Ethernet (PoE) (IEEE 802.3af, Class 0)
- Power Over Ethernet Plus (IEEE 802.3at, Class 0)
- DC power: < 260 mA @ 12 volts DC
  < 180 mA @ 24 volts DC

NETWORK COMMUNICATIONS
- Ethernet, TCP/IP, standard RJ45.
- Network-Server mode or Network-Client mode
- Field flashable microcode
- ASYNCH communications – no polling

ENVIRONMENTAL
- UL 294 V6 Certified
- Ambient operating temperature -40 to 50° C (-40 to 120° F)
- Operating humidity is 0 – 90% (non-condensing)

"DOOR" OUTPUTS (occurs 2 or 3 times)
- Electric lock control relay, rated 2.0A @ 30VDC, form C
- Control for Wiegand reader's two LEDs and buzzer
- Two TTL outputs (configurable default state)
- Auxiliary Power output – PoE-Plus supplies 19 watts (1.6 amps @12 VDC)
- 10VDC output for Wiegand device, independent of input power source

"DOOR" MONITOR INPUTS (occurs 2 or 3 times)
- Three configurable inputs:
  – Door Sense
  – Request to Exit (REX)
  – Optional Input (AUX)
- Accepts Wiegand reader's credential data
- Wiegand connection supports 500ft cable length

VISUAL INDICATORS
- IPBridge Power and network status indicator
- Door control status indicator for each door

SECURITY FEATURES
- Power up diagnostics

CREDENTIAL AND READER SUPPORT
- Wiegand Readers Supported
- Compatible with 13.56MHz and 125KHz readers
- Supports burst mode in keypad readers

** *Please Note: Check the credential type and reader type with our team on 13.56MHz credentials as some credentials have proprietary formats and may require our R-1 reader.*

U.S. Patents and U.S. Patents Pending.
www.isonas.com/patents