

PowerNet™ IP-Bridge



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2-Door Model – PN: IPBridge-2
3-Door Model – PN: IPBridge-3

- Replaces existing panels and eliminates the need to rip and replace existing hardware to upgrade system.
- Seamlessly allows migration to a Pure IP Access Control Solution by bridging Wiegand systems with Pure IP Systems.
- Leverages existing IT network and legacy security infrastructure.
- Direct IP-Network connectivity.
- Supports both Power Over Ethernet (PoE) and PoE-Plus.
- Open System – Ethernet network appliance.
- Supports standard door hardware, including Wiegand readers.
- Dual network port allows interconnection of multiple IP-Bridges.
- Creates a flexible solution to grow with future needs.
- Scale from 1 access point to 1,000s on a single server.
- Each door is capable of storing 20,000 cardholders, 5000 access events and 32 time zones which can be configured and accessed by an external host system.
- Our local mode feature allows readers to function without the host. This results in faster user response times, less network traffic and reduced host system loading.

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

- 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
- Powers Wiegand reader
- 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
- AES-256 bit encryption