



**WAVESYS**

**Evoking Trust!!!**

**Wavesys IP PoE Door controller**



GreenPower Access Control

## FEATURES:-

- ✓ Support 2 doors ie. up to 4x EM locks & 4x proximity readers over a single Cat 5e/6 cable without the need to have an external power supply at each door
- ✓ Native IP with Peer to Peer communication
- ✓ Ethernet communication cum power through a single Cat 5e/6 cable
- ✓ High speed data transmission to server
- ✓ Compatible with various reader technologies
- ✓ Interlocking
- ✓ On board battery charger
- ✓ Client / server or active transmit
- ✓ Built-in web server
- ✓ Update firmware through web IE
- ✓ AES- 128 Encryption

## IP PoE CF CONTROLLER

### Green Power IP Integrated PoE onboard Controller



### 1st Native PoE CF Access System

#### Intelli Green

wavesys PoE Controller featuring Green Power PoE Technology which consumes less power with just only using a single Cat 5e/6 cable without the need to have a main supply at each door.

#### Intelli Power

The PoE Controller is powerful enough to support up to 2doors with 4x EM locks & 4x proximity readers with Ethernet communication cum power supply thru a single Cat 5e/6 cable.

#### Intelli Tech

Controller firmware updates can be done easily at anywhere as long as there is internet connection.



## SPECIFICATION:-

<b>PROCESSING UNIT</b>	Freescale CF microcontroller 32 bits @ 60mHz
<b>MEMORY</b>	1024 kb EEPROM & 16 Mb FLASH
<b>BATTERY CHARGER</b>	12 VDC / 7AH (Onboard battery backup charger/ power supply module max 2.0A)
<b>READER SUPPORTED</b>	1 door (2 readers) / 2 doors (4 readers) - 12vDC @200mA per reader port
<b>READER TECHNOLOGY</b>	Standard Wiegand format (26 bit -64 bit)
<b>USERS / EVENTS</b>	Standard 70k users, 40k events, upgradable to 150k users, 80k events
<b>COMMUNICATION</b>	RJ45 Ethernet/ 10/100 Base-T ( Max 100m / 328ft.)
<b>NETWORK PROTOCOLS</b>	TCP/IP, ARP, DHCP
<b>INPUTS FUNCTIONALITY</b>	Fire input/ exit push button / door contact/ tamper
<b>CONTROLLER REDUNDANCY</b>	Support 2 destination IP addresses
<b>DIMENSION / WEIGHT</b>	PCB board = 137 (L) x117 (W) x 15.5 (H) mm / 25g
<b>OPERATING TEMPERATURE</b>	0°C ~ 55°C / 32° ~ 165°F (subject to battery specification)
<b>HUMIDITY</b>	0 ~ 85% Humidity (relative non-condensing)
<b>POWER SOURCE REQUIREMENT</b>	POE hub 15.4W(min each port)
<b>SECURITY ENCRYPTION</b>	AES- 128
<b>CERTIFICATIONS</b>	CE RoHS

## ORDER INFORMATION :-

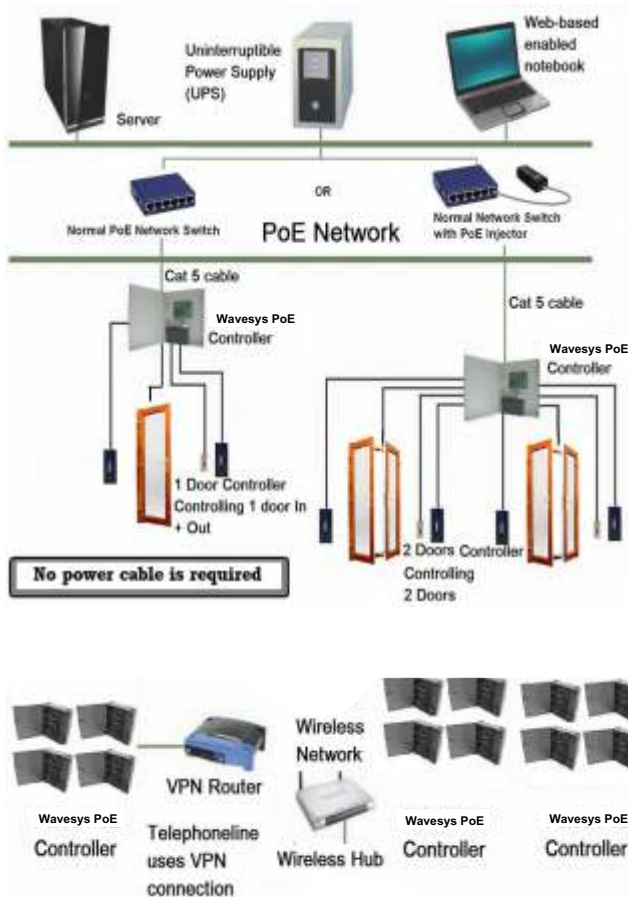


**1 door controller**  
Model : CTRL-1DRPoE-CF/IP-PCB

**2 doors controller**  
Model : CTRL-2DRPoE-CF/IP-PCB



## INTELLI GREEN POWER TECH POE SINGLE SITE SYSTEM ARCHITERTURE



## ACCESSORIES :-



**Metal Casing**



**PoE Injector**

**Support up to 2 X EM LOCKS**

Model : PD-6558G301/AC PoE ADAPTOR

**Support up to 4 X EM LOCKS**

Model : PD-9001GR/AC PoE INJECTOR



**12V DC BATTERY**

## INTELLI GREEN POWER TECH POE MULTIPLE SITES SYSTEM ARCHITERTURE

