

# HARMONY Gateway Basic

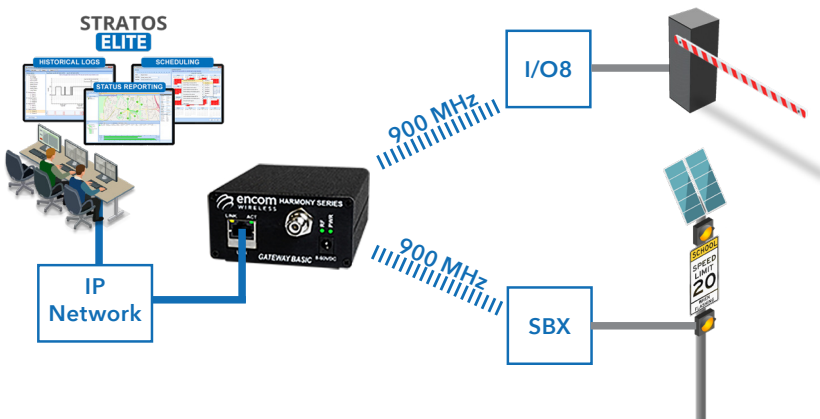
## ETHERNET GATEWAY I/O CONTROLLER



### Example Application

Gateway Basic radio connected to IP network communicating over 900 MHz frequency with:

1. Harmony SBX wired to School Zone flashing beacon
2. CommPAK I/O8 wired to Vehicle Entry gate



*Configuring, Controlling  
and Monitoring your Encom  
equipment is EASY with  
ControlPAK and Stratos I/O!*



[www.encomwireless.com](http://www.encomwireless.com)

The **HARMONY Gateway Basic** connects your remote Harmony Series wireless I/O devices to your IP network. This simple and compact device provides cost-saving features and easily integrates with any cellular or fiber access point.

The built-in 900 MHz FHSS (Frequency Hopping Spread Spectrum) radio provides a reliable wireless connection for up to 254 remote Harmony or COMMPAK I/O devices when configured as a Master unit.

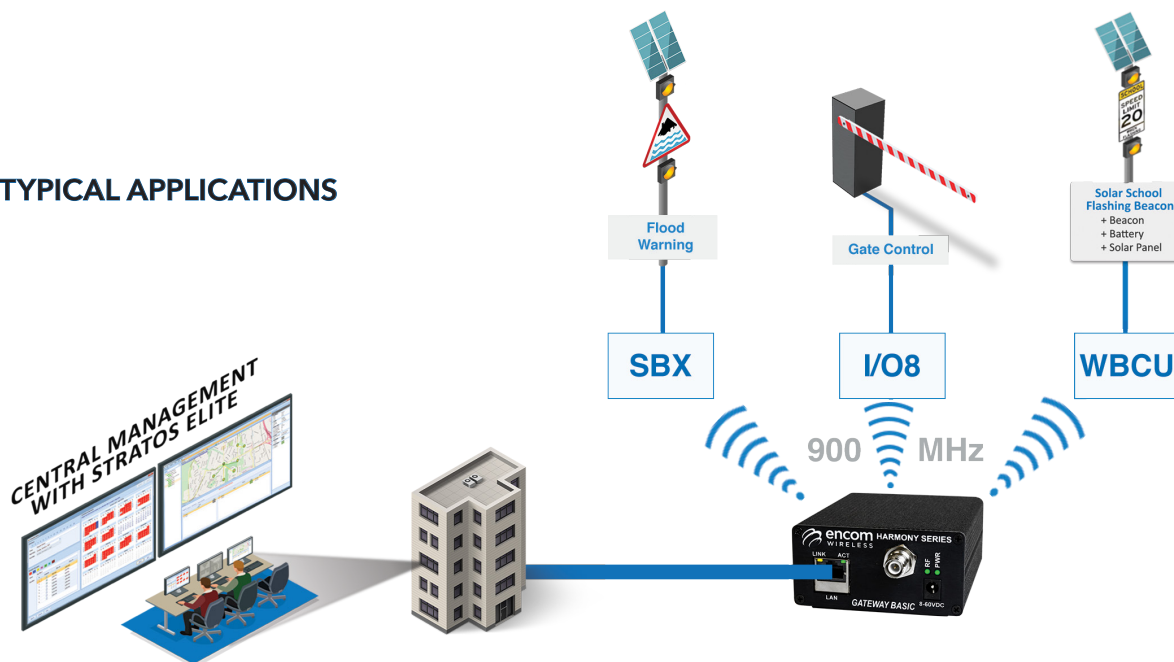
Combined with Stratos Elite, you get real-time visibility of all your remote devices with features such as scheduling and status updates.

### KEY FEATURES

- Internal device memory permanently holds up to 16 schedules / 7-day plan / 365-day calendar
- Integrated real-time clock with maintenance-free super cap backup and automatic DST / leap year adjustment
- Precise timekeeping via NTP server synchronization
- SNMP enabled for wide compatibility
- Supports cellular modem connection
- Facilitates event logging for other Harmony devices
- Easily change schedules and set temporary overrides remotely



## TYPICAL APPLICATIONS



### GENERAL SPECIFICATIONS

Input Power:	6-30 VDC or 100-240 VAC
Power Consumption:	150 mA @ 12 VDC
LED indicators:	PWR, RF Link, LAN-ACT and LAN LINK
Operating Temperature:	-40°F to 176°F (-40°C to 80°C), up to 95% humidity
Enclosure:	Aluminum, Black Powder Coat 4.75" W x 1.73" H x 3.75" D

### 900 MHz RADIO SPECIFICATIONS

Technology:	Frequency-hopping spread spectrum (FHSS) with repeater capability
Frequency Range:	902-928 MHz, ISM Band
Output Power:	1mW, 10mW, 100mW, 1000mW
Receiver Sensitivity:	-110dBm @ 10-6BER
Error Checking:	32-bit CRC
Encryption:	32-bit
Antenna Port:	RP TNC-F
Certification:	FCC, Industry Canada

### CONNECTIVITY

Ethernet Port (10/100Base-T)	1
900 MHz Radio	Yes
GPS	No
Configuration, Monitoring & Control	Stratos IO, ControlPAK, SNMP, web-based user interface
Protocol	HTTP, SNMP V1, V2 & V3, SMTP, FTP, DHCP

### ORDERING OPTIONS

- **Gateway Basic:** Ethernet Gateway I/O Controller with 900MHz FHSS Radio

### REMOTE SITE MONITORING FUNCTIONS

Input voltage and current	monitoring + logging
Beacon lamp On/Off status	monitoring + logging
Beacon lamp On current	monitoring + logging
Solar panel voltage	monitoring + logging
Battery current	charge/discharge monitor + log
Temperature	monitoring + logging
Receive signal strength	monitoring + logging
GPS location	monitoring
Beacon lamp fail	detect + alarm
Low battery voltage	detect + alarm
Solar panel disconnect	detect + alarm
Battery disconnect	detect + alarm
Loss of A/C	detect + alarm
Integrated battery backup	Yes
Number of calendars	16
Calendar periods	365 days
Event/calendar	16
Manual override	Yes

*\*ENCOM Broadband radios require professional installation.*

*Specifications subject to change without notice. Visit [www.encomwireless.com](http://www.encomwireless.com) for updates.*

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