Gateway
NGR-30-3

FEATURES

› Built-in web interface

› Designed for single or multi-site monitoring systems

› Easy-to-use

› Remote software upgrade capability

› Multiple data export options (CSV, JSON, XML)

› Accurate on-board RTC

› Reliable embedded operating system

› Ethernet and optional Cellular Modem

› ZigBee® wireless communications

› Industrial temperature range

› Dimensions: 62mm x 115mm x 25mm

› Fanless industrial enclosure

› Wall mounting brackets available

Nodes List

Add Nodes

Home

INTRODUCTION

EpiSensor's NGR-30-3 Gateway manages networks of EpiSensor wireless nodes and provides users with an intuitive web interface to quickly and easily deploy the wireless monitoring system. From this interface, various types of data export can be configured to push energy usage and environmental data to third party software applications for archiving analysis.

An embedded industrial computer with redundancy and reliability at its core, the EpiSensor's Gateway enables users to configure and commission all EpiSensor wireless monitoring products.

EPISENSOR

HYPER-TECH Systems

רח' אודם 14, ת.ד. 7042 פ"ת ▪ טל: 03-9243352 ▪ פקס: 03-9243358
www.hypertech.co.il ▪ sales@hypertech.co.il

Gateway
NGR-30-3

PRODUCT PHOTOS

SPECIFICATIONS

Ordering Code	NGR-30-3	Ethernet
System	Processor	1GHz ARM A8
	RAM	512MB
	Storage	2GB (50% available for data storage)
	Operating System	Embedded Linux
Data Export	CSV	push via (S)FTP / local storage
	JSON	push via HTTP(S) / local storage
	XML	push via HTTP(S) / local storage
	Google Fusion Tables	SQL inserts to GFT via HTTPS
WAN Connectivity	Ethernet	Ethernet via RJ-45
	ZigBee	2.4GHz ZigBee Radio
Certification	Certification	CE, FCC (see user guide for more information)
ZigBee Specification	Radio Technology	ZigBee Pro
	Radio Frequency	2.4 Ghz ISM Band
	Channels	16 Channels (11 - 26)
	Max Tx Power	+3dBm (+5dBm in Boost Mode)
	Rx Sensitivity	-98dBm @ 1% Packet Error Rate
	Data Rate	up to 250 kbits/sec
	Indoor Range (Sensor Network)	up to 50m
	Outdoor Range (Sensor Network)	up to 300m (direct line of sight)
	Encryption (Sensor Network)	128-bit AES Encryption
Physical	Dimensions (LxWxH)	62 x 115 x 25 mm
	Weight	0.22kg
	Mounting	Wall Mounting Velcro Pads available
	Enclosure	Coated Steel
	Operating Temperature	0℃ to +50℃
	Operating Humidity	up to 80% (non-condensing)

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