Axis EN

Legacy Wireless Expander

The Axis Wireless Expander is an externally powered module that supports the Axis Wireless Translator module. The Expander module provides the ability to communicate with wireless devices over greater distances and in difficult radio environments.

The Axis Wireless system utilizes a unique and powerful 'Microcell' architecture with a capacity of up to 7 Expanders and 32 wireless devices per translator module. Wireless devices can be any combination of detectors, call points, sounders or input and output modules.

Standards and Approvals

- EN54-18:2005
- EN54-25:2008
- Approved by BRE/LPCB and certified by the UAE Civil Defence

Features

- Bi-directional communication protocol between all wireless devices
- Rapid, cost effective installation with minimal disturbance
- Patented double orthogonal antennae provides reliable communication
- Unique channel hopping algorithm virtually eliminates signal corruption and fade
- Up to 7 Expanders allowed with each translator
- Flexible 'Microcell' structure

Specification

Communication range	Up to 600 meters in open space
Communication range with other wireless devices	Up to 200 meters in open space
Operating frequency	868.15 MHz - 869.85 MHz
Modulation type	FSK
Operating frequency channels	7
Radiated power	5 dBm (3 mW) typical
Transmission message period	12 seconds default
Power supply voltage range	From 9 V to 27 V
Current consumption	85 mA @ 12 Vdc
Dimensions H x W x D mm	120 x 160 x 51 w/o antennas
Weight grams	330
Operating temperature range	From -30ºC to +50ºC
Antennas	Two External, in orthogonal configuration
Primary and backup power supply voltage's lower fault threshold	11 +/- 0.5 V
IP Rating	51C

Order Codes and Options

20-SGWE-ADV:	Wireless Expander

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