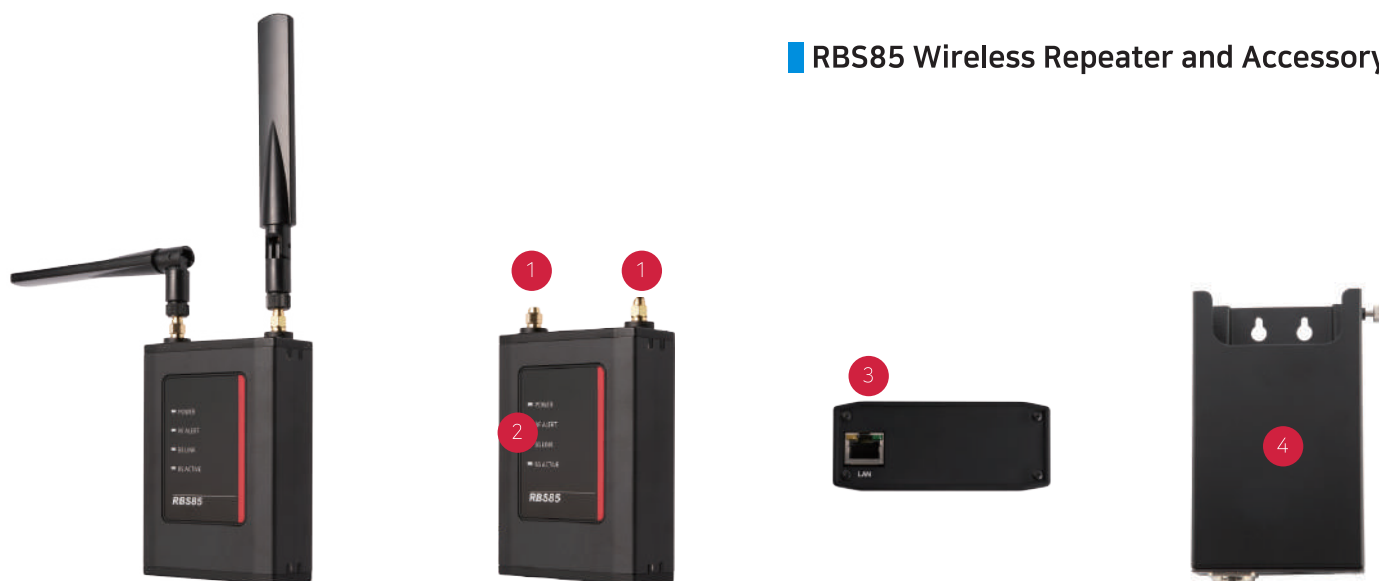


**RBS85 Wireless Repeater and Accessory**



**01** Antenna connectors  
**02** Power, RF Alert, BS Link, BS Active LEDs

**03** 100Mbps, PoE input (RJ45, PD)  
**04** Antenna holder with a Neutrik connector for LAN RJ-45 (optional)

Wireless Repeater RBS85 can be configured into a Genie system to increase wireless coverage with at least one Remote Antenna RA100DW or RA100 to be connected with. It can be powered through a LAN cable from a PoE(Power of Ethernet) source such as a network switch or Genie devices - Base Station BS1000 and Remote Antenna RA100DW - that provides PoE Line Out. Using a standard CAT-5e STP or equivalent cable, connect the Repeater to the PoE Line 1 or Line 2 port of the Remote Antenna RA100DW for a daisy-chain connection, or to the PoE port on the network switch for a star connection.

It supports communications with Wireless Beltpacks or Receivers in remote areas through the Remote Antenna. Repeater shares up to 10 Talk and 128 Listen paths with the corresponding Remote Antenna and up to 10 Repeaters can be connected to a Remote Antenna. Automatic roaming is available between the Base Station, Remote Antennas and Repeaters connected in a system.

- ▶ External antennas with 1 x PoE IN
- ▶ UP to 10 RBS85 Repeater connection per one Remote Antenna RA100DW/RA100
- ▶ Up to 128 Wireless Beltpack or Receiver connection per any wireless antenna of Base Station, Remote Antenna and Repeater
- ▶ 10 Full-duplex Talk channels are shared with the corresponding Remote Antenna

**RBS85 Specification**

RF Frequency	Use 20Mhz channels within the 5GHz UNII band from 5180 - 5845MHz depending on regions
Antenna	External 1/2 -wave dipole, SMA connector
RF Modulation	QPSK
Beltpack Connection per Repeater	Up to 128 Wireless Beltpacks or Receivers can be connected. Up to 10 Talk paths and 128 Listen paths are supported per Repeater with a Remote Antenna
PoE Input	RJ-45 Connector, 100Mbps Standard PoE specification
Power Supply	Consumption: 6 watts RJ-45 Connector, 100Mbps Standard PoE specification
Operating Temperature	0°C to 50°C (32°F to 122°F)
Dimensions	3.46W x 1.47D x 4.80H inch (8.8W x 3.74D x 12.2H cm) without Antenna holder
Weight	1.01 lb (460g with Antennas)