

Long Range *Bluetooth* Access Point 3241™



Key Features

- ▶ Provides the maximum range between *Bluetooth* devices
- ▶ Connectivity options
 - *Bluetooth* 2.1 + EDR class 1, 1000 meter range
 - 60 meter range to class 2 *Bluetooth* devices
 - 10/100Mbps LAN
 - USB 2.0 compliant host
- ▶ Easy to customize and localize with SDK
- ▶ Centralized remote network management with Bluegiga Solution Manager (BSM)
- ▶ Built-in applications for eHealth, *Bluetooth* proximity marketing and network connectivity

Description

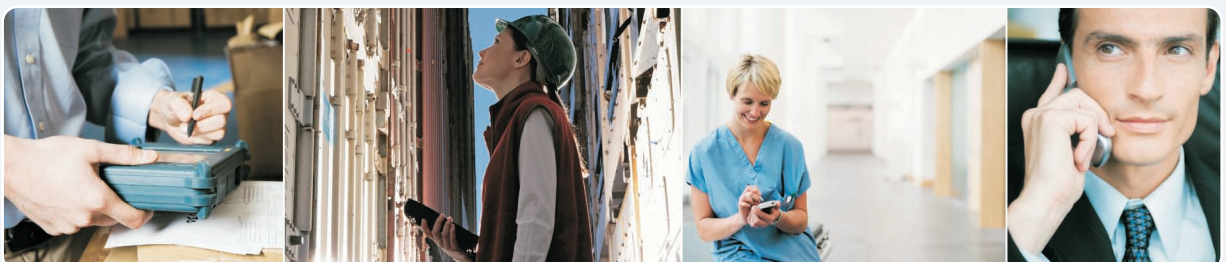
The Long Range *Bluetooth* Access Point 3241 (AP3241) provides 20 dBm *Bluetooth* output power and provides more than 1000 meter range between AP3241s. The AP3241 also incorporates a low noise amplifier that significantly improves receiver sensitivity and extends range to *Bluetooth* devices, e.g. cell phones to 60 meters.

The AP3241 is designed for various health and medical, *Bluetooth* marketing, industrial, telemetry, point of sale systems and digital pen applications.

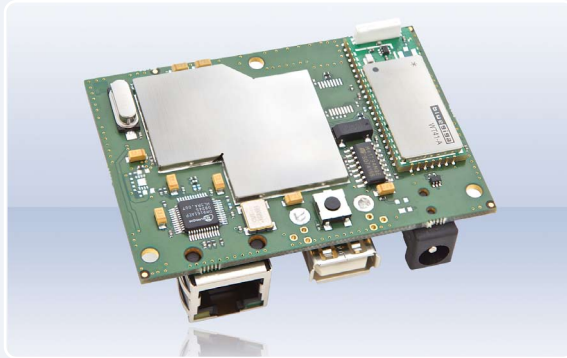
The AP3241 comes in packaged and OEM versions. The AP3241 platform can be customized and localized with Software Development Kit (SDK), which allows easy and rapid application development. Remote network management of the devices can be handled with the Bluegiga Solution Manager (BSM) software.

Applications

- Health, medical and fitness
- Point-of-sale
- M2M connectivity
- *Bluetooth* connectivity
- Proximity marketing



TECHNICAL DATA



Software

- Embedded Linux™ operating system
- Built-in applications for eHealth, *Bluetooth* proximity marketing and network connectivity
- *Bluetooth* 2.1 + EDR stack with SPP, OBEX OPP/FTP, PAN, LAN Access, DUN-GW, DI and HDP profiles
- Remote management via Bluegiga Solution Manager
- Possibility to develop additional software with SDK

Interfaces and HW

- ARM9 CPU with 200MHz
- 32MB RAM
- 16MB flash (extendable with USB memory)
- Class 1, *Bluetooth* 2.1 + EDR radio, 1000 meter range
- External USB 2.0 compatible port
- 10/100Mbps LAN
- 9-24V power supply
- Factory reset button

Optional 3rd Party Accessories

- 2G/3G via USB modem
- 802.11b/g/n via USB
- Flash extendable via USB hard disk or memory

Product Codes

- Long Range Access Point, internal antenna: 3241
- Long Range Access Point, external antenna: 3241-EXT
- OEM version: PCB3241, PCB3241-EXT
- Software Development Kit: W9SDK
- Long Range Access Point with HDP profile and IEEE Manager: 3241-eHealth
- Long Range Access Point OEM version with HDP profile and IEEE Manager: PCB3241-eHealth

Other Products

- Access devices: 3201, 2291, 2293, AX4
- Bluegiga Solution Manager (BSM)

Mechanical Details

- Size: 90 x 59 x 30 mm
- Weight: 74 g

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