

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

Access Point 3241 is the long range edition of the Access Point 3201. It uses Bluegiga's latest generation RF technology and can provide more than 1000 meter range to other *Bluetooth* devices, and even 60-70 meter range to typically class 2 devices. The AP3241 therefore is an ideal product for applications where long range or robust connectivity is needed.

The AP3241 platform comes with built-in software for proximity marketing, captive portal, eHealth and *Bluetooth* connectivity, allowing system integrators to quickly build and deploy their own applications. Furthermore, the software platform is easily customizable and localizable with the Software Development Kit (SDK), which allows easy and rapid application development into the AP3241 platform. The product comes in housed and OEM versions.

Applications

- Medical and health device gateways
- *Bluetooth* proximity marketing
- Industrial *Bluetooth* gateways
- Point-of-sale and retail systems
- Telemetry and M2M.



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, 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

For more information about Bluegiga Technologies, please contact:

Bluegiga Technologies Oy
 Sinikalliontie 5 A
 02630 Espoo, Finland
 Phone: +358 9 435 50 60
 Fax: +358 9 435 50 660
 www.bluegiga.com
 sales@bluegiga.com

© Bluegiga Technologies 2000-2011.

Bluegiga Technologies takes no responsibility for any mistakes that might appear in this document. It reserves the right to change devices, software or specifications detailed here at any time without notice, and does not make any commitment to update the information contained here. Bluegiga products are not authorised for any use as critical components in life support devices or systems. Bluegiga Access Server, Access Point, AX4, BSM, iWRAP and WRAP THOR are trademarks of Bluegiga Technologies. The *Bluetooth* trademark and logo are registered trademarks and are owned by the Bluetooth SIG, Inc.

Mouser Electronics

Authorized Distributor

Click to View Pricing, Inventory, Delivery & Lifecycle Information:

[Bluegiga Technologies:](#)

[3241-4.2](#)