

Access Point 3201™



Key Features

- ▶ The smallest *Bluetooth*® Access Point in the industry
- ▶ Embedded Linux™ Operating System
- ▶ Turn-key applications for *Bluetooth* networking and *Bluetooth* proximity marketing
- ▶ *Bluetooth* class 1, 2.1 + EDR compliant
- ▶ Supported *Bluetooth* profiles: SPP, OBEX OPP, OBEX, FTP, PAN, LAN Access, DUN-GW, DI, HDP
- ▶ *Bluetooth*, CE, FCC and Industry Canada qualified
- ▶ External and internal antenna options
- ▶ Adjustable connection range up to 200 meters

Description

Bluegiga Access Point 3201 (AP3201) is a size optimized access device targeted at business applications. The Access Point provides up to 200 meter range between two AP3201s and with Class 2 *Bluetooth* device 20 meter range. The product is designed to fit into wireless *Bluetooth* applications where the network performance, reliability, scalability and easy management are important design drivers.

The Access Point is equipped with Bluegiga's industry leading 2.1 + EDR compliant WT11 *Bluetooth* module providing users with the features and benefits of the very latest *Bluetooth* standard. The product also has an external USB connector for extending the product capabilities with GPRS/3G USB modems, Wi-Fi or extra memory.

The Access Point is an evolution from Bluegiga's extremely reliable and successful Access Server product family. The product's software and user interface makes it compatible with Bluegiga Access Servers. Access Point 3201 can be remotely managed with Bluegiga Solution Manager (BSM) - enabling remote management of a number of Access Points from a centralized location.

The heart of Access Point 3201 is Bluegiga's customized Linux operating system with a number of built-in applications, such as SPP-over-IP and ObexSender. For *Bluetooth* wireless technology, The product has extremely advanced, reliable and easy-to-use software interface called iWRAP, which enables you to connect your *Bluetooth* equipped devices into TCP/IP networks with built-in security and reliability. Access Point 3201 is also available for OEM's without the housing providing total freedom of re-branding.



TECHNICAL DATA



Software

- Embedded Linux™ operating system
- Turn-key applications for *Bluetooth* proximity marketing and *Bluetooth* networking.
- *Bluetooth* 2.1 + EDR stack with SPP, OBEX OPP, OBEX, FTP, PAN, LAN Access, DUN-GW, DI, 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)
- 1 x Class 1, *Bluetooth* 2.1 + EDR radio, 200 meters range
- 1 x External USB 2.0 compatible port
- 1 x 10/100BASE-T LAN
- 9-24V Power supply

Certifications

- *Bluetooth* 2.1 + EDR
- CE, FCC and IC

Optional 3rd Party Accessories

- GSM/GPRS/3G via USB modem
- Wi-Fi client via USB radio
- 2nd *Bluetooth* radio via USB
- Flash extendable via USB hard disk or memory
- Portable power supply

Product Codes

- Access Point, internal antenna 3201
- Access Point, external antenna 3201-EXT
- Access Point, custom software 3201-C
- Access Point, PCB version PCB3201, PCB3201-EXT
- Software Development Kit W9SDK

Other Products

- Access Servers: 2291, 2292, 2293
- Bluegiga Solution Manager (BSM)

Applications

- Medical and health device gateways
- Hi-Fi audio streaming applications
- *Bluetooth* proximity marketing
- Industrial *Bluetooth* gateways
- Point-of-sale and retail systems
- Telemetry and M2M

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 2000-2010

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, 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.