AP3201 *Bluetooth*® Access Point

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, A2DP, PAN, LAN Access and DI profiles
- *Bluetooth* , CE, Fec and Industry Canada qualified
- External and internal antenna options
- Adjustable connection range between 1-200 meters

Description

Bluegiga's AP3201 *Bluetooth* Access Point is a small and cost optimized access device targeted at business applications. The product is designed to fit into wireless *Bluetooth* applications where the network performance, reliability, scalability and easy management are important design drivers.

AP3201 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.

AP3201 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. AP3201 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 AP3201 is Bluegiga's customized Linux operating system with a number of built-in applications, such as SPP-over-IP, ObexSender and BluRoamTM. For *Bluetooth* wireless technology, AP3201 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. AP3201 is also available for OEM's without the housing providing the 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, A2DP, PAN, LAN Access and DI profiles
- Remote management via Bluegiga Solution Manager
- Possibility to develop additional software with SDK

Interfaces

- ARM9 CPU with 200MHz
- 32MB RAM
- 16MB Flash
- 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

AP3201, internal antenna	AP3201-A
AP3201, external antenna	AP3201-E
AP3201, PCB version	PCB3201
Development and Evaluation	
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

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