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 Bluetooth®

Access Server AX4™

Description

The Bluegiga AX4 is a powerful Linux based wireless connectivity platform targeted for eHealth, point-of-sale, proximity marketing, captive portal, and long range *Bluetooth* connectivity applications. The AX4 integrates three high performance *Bluetooth* class 1 radios, 802.11b/g radio and optional 2G or 3G modem.

The AX4 platform comes with built-in software that allows system integrators to quickly build and deploy their own applications.

The AX4 platform can be customized and localized with the AX4 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.

Key Features

▷ A powerful *Bluetooth* gateway for proximity marketing, captive portal, eHealth and connectivity applications

▷ Connectivity options

  - *Bluetooth* 2.1 + EDR class 1, 1000 meter range

  - 60 meter range to class 2 *Bluetooth* devices

  - 802.11 b/g – client and access point mode

  - Optional 2G or 3G modem

  - 10/100Mbps LAN with Power over Ethernet

▷ Easy to customize and localize with SDK

▷ Centralized remote network management with Bluegiga Solution Manager (BSM)

Applications

● Proximity marketing

● Captive portal

● Health, medical and fitness

● Point-of-sale

● M2M connectivity

● *Bluetooth* connectivity

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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

- 128MB RAM

- 1GB flash (extendable with USB or microSD card)

- Three class 1, *Bluetooth* 2.1 + EDR radios

- 10/100Mbps LAN with Power over Ethernet

- 802.11 b/g with external antenna

- Optional integrated 2G or 3G modem

- USB 2.0 compliant host

- MicroSD card slot

- Power supply: 6-24V

Certifications

- *Bluetooth* 2.1 + EDR

- CE, FCC and IC

Product Codes

- AX4   42PSW03-EA-4.2

- AX4 with GPRS/ EDGE   42PSWG3 EA-4.2

- AX4 with 3G   42PSW33-EA-4.2

- AX4 Software Development Kit   W9SWCD

Other Products

- Access Servers: 2291, 2293

- Access Points: 3201, 3241

- Bluegiga Solution Manager (BSM)

Mechanical Details

- Size: 188 x 120 x 33mm

- Weight: 340g

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

Mouser Electronics

Authorized Distributor

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