

## Bluegiga Access Server™



### Key Features

- Enables *Bluetooth®* networking between multiple devices and networks
- Serves up to 21 simultaneous *Bluetooth* connections with latest *Bluetooth 2.0+ EDR* standard(3Mbps)
- Supports all key communication standards:
  - *Bluetooth* Class 1 - 2
  - Ethernet (100Mbps)
  - Wi-Fi, GSM/GPRS via external CF card
  - USB, RS232 and GPIO
- On Board 32MB RAM + 32MB Flash
- Offers an open platform for adding local applications (SDK available)
- All relevant *Bluetooth* profiles and APIs supported: SPP, OBEX OPP, OBEX, FTP, PAN, LAN Access, DUN GW, DI and HDP
- +200 meter *Bluetooth* range / Software configurable to support 10 meter range only
- DHCP Support for plug n' play installation
- Available with integrated and external antenna versions

### Description

Bluegiga Access Servers are widely used from mission critical applications to high-volume marketing applications. Bluegiga Access Servers support multiple communication standards including Ethernet, Wi-Fi, and GSM/GPRS enabling full media-independent TCP/IP connectivity. Bluegiga Access Servers are easy to deploy and manage in existing wired and wireless networks without compromising reliability, speed or security. The device can be conveniently managed and remotely upgraded over encrypted links using Bluegiga Solution Manager Software.

Bluegiga Access Server™ is targeted at system integrators and original equipment manufacturers that want to deploy a secure, cost efficient, low power consumption and up to 250-meter range wireless network for *Bluetooth*-equipped devices. These devices include products such as barcode readers, pay-terminals, medical instruments, special purpose PDAs and mobile phones, and telemetry and machine-to-machine units.

Available with an optional mounting accessory, Bluegiga Access Server™ can be fixed on walls and ceiling safely.

### Applications

- *Bluetooth* marketing
- Point-of-sale systems
- Logistics and transportation systems
- *Bluetooth*-to-TCP/IP networking
- Telemetry and machine-to-machine systems
- Medical and healthcare systems
- Fitness and sport telemetry systems
- Cable replacement
- Network access point
- Content and application distribution to mobile phones and PDAs



## TECHNICAL DETAILS



### Networking

- Bluetooth version 2.0 + EDR and 1.2 compliant
- SPP, OBEX OPP, OBEX, FTP, PAN, LAN Access, DUN-GW, DI and HDP
- Point-to-Point, Point-to-Multipoint, Piconet and Scatternet
- Class 1, up to 250 meters. Software configurable to support Class 2, up to 10 meters
- Full TCP/IP support
- Transparent router or bridge
- With optional compact flash card WiFi 802.11b or GSM and GPRS
- Remote management and monitoring software

### Software

- Bluegiga software
- iWRAP™ simple command interface
- Linux operating system
- Bluetooth, HTTP, FTP, and Telnet servers
- SPP-over-IP
- SSH® client and server
- DHCP client and server
- WRAP SMS Gateway
- Several configuration and application samples
- Obxesender marketing application

### Hardware

- 1 or 3 Bluetooth class 1 radios
- Processing power for customer applications
- Memory: 32MB RAM, 32MB flash
- Real time clock, battery backup
- Operating temperature 0 to +60° C
- Watchdog

### Interfaces/Connectors

- Ethernet 10/100 Mbps, RJ-45
- Compact flash card slot (for WiFi and GSM/GPRS)
- USB
- Serial port, RS-232, D9
- Power input, 9-24 VDC, 400 mA
- 14 x Buffered digital I/O (3,3V to 5,5V)
- LEDs and Buzzer

### Application Development with Optional Software Development Kit

- Development environment for Linux
- C and C++ supported
- Sample applications included
- Documentation

### Mechanical Details

- Size: 220x150x30 mm
- Weight: 364g

### Product Codes

- 7 Bluetooth connections (2291)
  - 2291; 1 Bluetooth radio, 56-bit BT encryption
  - 2291-128; 1 Bluetooth radio, 128-bit BT encryption
- 21 Bluetooth connections (2293)
  - 2293; 3 Bluetooth radios, 56-bit BT encryption
  - 2293-128; 3 Bluetooth radios, 128-bit BT encryption
- Accessories
  - 229X-M; Mounting Accessory
  - 2290-GPRS; GPRS/GSM card for CF Interface
  - 2290-WLAN; WLAN 802.11b card for CF interface
  - 2293/ OutD;
  - 2291/ OutD; Outdoor Installation Kit
- Development
  - W9SDK; WRAP 2293 Access Server with SDK
  - W9SWCD; WRAP SDK software CD

### Certifications

- Bluetooth
- CE and FCC

### Bluegiga Access Server™ Deliverables

- Bluegiga Access Server™
- Power adapter
- RS-232 Cable
- Quick start guide

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ООО "ЛайфЭлектроникс"

"LifeElectronics" LLC

ИНН 7805602321 КПП 780501001 Р/С 40702810122510004610 ФАКБ "АБСОЛЮТ БАНК" (ЗАО) в г.Санкт-Петербурге К/С 30101810900000000703 БИК 044030703

Компания «Life Electronics» занимается поставками электронных компонентов импортного и отечественного производства от производителей и со складов крупных дистрибуторов Европы, Америки и Азии.

С конца 2013 года компания активно расширяет линейку поставок компонентов по направлению коаксиальный кабель, кварцевые генераторы и конденсаторы (керамические, пленочные, электролитические), за счёт заключения дистрибуторских договоров

Мы предлагаем:

- Конкурентоспособные цены и скидки постоянным клиентам.
- Специальные условия для постоянных клиентов.
- Подбор аналогов.
- Поставку компонентов в любых объемах, удовлетворяющих вашим потребностям.
- Приемлемые сроки поставки, возможна ускоренная поставка.
- Доставку товара в любую точку России и стран СНГ.
- Комплексную поставку.
- Работу по проектам и поставку образцов.
- Формирование склада под заказчика.
- Сертификаты соответствия на поставляемую продукцию (по желанию клиента).
- Тестирование поставляемой продукции.
- Поставку компонентов, требующих военную и космическую приемку.
- Входной контроль качества.
- Наличие сертификата ISO.

В составе нашей компании организован Конструкторский отдел, призванный помочь разработчикам, и инженерам.

Конструкторский отдел помогает осуществить:

- Регистрацию проекта у производителя компонентов.
- Техническую поддержку проекта.
- Защиту от снятия компонента с производства.
- Оценку стоимости проекта по компонентам.
- Изготовление тестовой платы монтаж и пусконаладочные работы.



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