

WRAP ACCESS SERVER

MULTIRADIO ACCESS SERVER



KEY FEATURES

- ▶ *Up to 21 simultaneous Bluetooth connections*
- ▶ *All key connectivity standards supported*
 - ▶ *Bluetooth*
 - ▶ *USB and RS232*
 - ▶ *Ethernet*
 - ▶ *WLAN, GSM and GPRS (via CF card)*
- ▶ *Transparent router*
- ▶ *Open platform for local applications*
- ▶ *Rapid and easy installation*

DESCRIPTION

WRAP™ Multiradio Access Server is a cutting edge wireless *Bluetooth* basestation supporting WLAN and GSM/GPRS offering TCP/IP connectivity. It can be deployed into existing wired or wireless networks without uncompromizing the speed, security and ease of installation.

WRAP Access Server is an open platform for creating and hosting local applications and content in the Access Server. Bluegiga also provides several additional software packages for different purposes; embedded device *Bluetooth* networking, mobile phone TCP/IP connectivity and generic application installation for different mobile handsets.

Product is targeted for Enterprises and OEMs connecting *Bluetooth* equipped terminals and devices to different services and networks.

APPLICATIONS

- E-mail and calendar systems
- VoIP for *Bluetooth* equipped mobile phones
- Content and application distribution to mobile phones and PDAs
- TCP/IP hot spot for mobile phones and PDAs
- Telemetry, M2M, cable replacement
- Logistics and transportation systems

TECHNICAL DATA



Networking

- Bluetooth version 1.1 compliant
 - RFCOMM, HCI, L2CAP, SDP, LAP, SPP, PAN, ObjP and FTP
 - Point-to-Point, Point-to-Multipoint, Piconet and Scatternet
 - Class 1, up to 100 meters
- Internet Protocols: TCP/IP, ICMP, and PPP
- Via Compact Flash card 802.11a and 802.11b (prism2 devices) GSM and GPRS
- Remote management functionality

Software

- Bluegiga WRAP™ software
- Embedded Linux™ 2.4 operating system
- Bluetooth, HTTP, FTP and Telnet servers
- SSH Client and server
- Firewall and DHCP
- WRAP Installation Point

Additional software

- WRAP Bluetooth Gateway for Windows
- WRAP Office Agent for Symbian smart phones

Hardware

- 1 or 3 Bluetooth radios
- Processing power for customer applications
- Memory: 32 MB RAM, 16 MB Flash
- Real Time Clock, battery backup
- Operating temperature 0 to +60° C
- Watchdog

Interfaces/Connectors

- Ethernet 10/100, RJ-45
- Compact Flash card slot
- USB Host
- Serial port, RS-232, D9
- Power input, 6-24 VDC, 400 mA
- 14 x Buffered digital I/O (3,3V to 5,5V)

Application development

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

Mechanical details

- Size: 130x80x35 mm
- Weight: 450g

Product codes

- WRAP Access Servers
 - 2291 - 7 connections
 - 2293 - 21 connections
- W9SDK - WRAP 2293 Access Server with SDK
- W9SWCD - WRAP SDK software CD
- WRAP Access Server deliverables
 - Access Server
 - Power adapter
 - RS-232 Cable
 - Quick start guide

Other Bluegiga products

- WRAP THOR Module
- WRAP THOR Board-to-Board module
- WRAP Cable Replacer
- WRAP THOR Evaluation Kit
- WRAP Onboard Installation Kit

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