



## Wireless Network Platform

The industrial WIRELESS NETWORK PLATFORM enables a robust and reliable Bluetooth connection between the Ethernet based infrastructure and industrial equipment such as machines, machine parts, barcode readers, mobile human-machine interface (HMI) devices, sensors, programmable logic controllers (PLC) and more. The industrial Wireless Network Platform can be used for a wide range of use cases; Bluetooth Web Enabler, Bluetooth LAN Access Point, Ethernet Cable Replacement, Terminal Server and Serial Port Adapter.

When configured as a Bluetooth Web Enabler, the industrial Wireless Network Platform can be used to replace specific operator interfaces and provide flexible web based access to a device in combination with a PDA. As a Bluetooth LAN Access Point, it acts as a highly reliable wireless access to Ethernet network used in demanding industrial applications. The Ethernet Cable Replacement may be used to connect a number of separate wired Ethernet networks using Bluetooth technology. The Terminal Server provides Bluetooth connections to multiple serial Bluetooth devices with access to the devices from a PC on the TCP/IP network. The connection works like a virtual serial cable between the PC and the device. Finally, the product may be used as a Bluetooth Serial Port Adapter.

### Key Features and Benefits

- User access management for secure information access
- Ease-to-use web-based configuration
- Modular design for fast customization
- Bluetooth Web Enabler
- Industrial temperature range -30 – +85°
- Radio Type Approved for Europe, US and Canada
- UL-listed
- Small form factor

# Technical Data

## SPECIFICATIONS

### Serial Interface & protocols

RS-232 (RS422 / RS485 on request)  
Supports standard baudrates from 110 to 460800 baud  
Modbus RTU. Other protocols on request

### Ethernet Interface

10/100BASE-T

### Bluetooth Support

Bluetooth version 2.0 (Qualified and Listed as Product)  
Multipoint functionality with up to 7 slaves  
Supported Bluetooth Profiles:  
Generic Access Profile (GAP)  
LAN Access Profile (LAP)  
Personal Area Networking Profile (PAN)  
Serial Port Profile (SPP)

Class I +20 dBm (>300 m)

### Power

9-30 VDC

### Housing

IP20-classed plastic housing  
Easily accessed mounting holes  
Detachable rubber feet

### Network Communication

TCP/IP  
HTTP  
FTP  
PPP  
ARP  
DHCP  
DNS support  
User management and access control

### Dimensions

63 x 80 x 26mm

### Possible use cases

Bluetooth Web Enabler  
Bluetooth Access Point  
Wireless Ethernet Bridge  
Terminal Server  
Bluetooth Serial Port Adapter

### Configuration

Web based configuration  
Configuration files for advanced setup  
Reset to factory defaults

### Type Approval

R&TTE (Europe)  
FCC/CFR 47 part 15 unlicensed modular transmitter approval  
IC (Industrie Canada)  
UL-listed

### Environmental

Operating temperature: -30 - +85 °C  
Storage temperature: -40 - +85°C  
Humidity RH 5-90% non-condensing  
Shock and vibration: IEC 61131-2

### Certifications and Compliance

*R&TTE Directive 1999/5/EC*  
EN 300 328 V1.6.1 (2004-11)

*EMC Directive: 89/336/EEC*

EN 61000-6-2 (2001)  
EN 61000-6-4 (2001)

*Safety Compliance*

EN 60950-1:2001 and/or IEC 60950-1:2001 (1st Edition)  
EN 60950-1/A11:2004 + Corrigendum:2004



### Order Number

cB-BTWNP331s-02      Bluetooth Wireless Network Platform 331s  
including stub antenna

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# connectBlue™

HEAD OFFICE: connectBlue AB • Norra Vallgatan 64 3v • SE-211 22 Malmö • Sweden • Phone +46 40-6307100 • Fax +46 40-237137  
US OFFICE: connectBlue, Inc. • 1460 N. Sandburg Terrace, Suite 803 • Chicago, IL 60610 • USA • Phone +1 (312) 927 5859 • Fax +1 (312) 277 3209  
info@connectblue.com • us-info@connectblue.com • www.connectblue.com

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