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## Function Features

- **A Dial-up Networking Gateway**

Provides BT-enabled devices wireless access to Internet through PSTN MODEM.  
Bluetooth speed can be up to 723 kbps, it is enough for dial-up connection.
- **A Cordless Phone Gateway**

Provides BT-enabled audio devices Cordless Phone function. When BT mobile phone enters into the range of the AP, it can act as the cordless phone of the AP. User can use the mobile to dial out or pick up phone call anywhere in the range but the cost is same as the fixed line!
- **Provides BT-enabled GSM/CDMA mobiles automatical call transfer to the fixed line service.**
- **Provides BT-enabled audio devices intercom service.**

The BT-enabled audio devices in the range of the AP can free communicate with each other wirelessly.
- **A Headset Audio Gateway**

User can pick up an incoming call to the AP using a BT headset anywhere in the range.
- **Encryption with Safer algorithm and PIN code authorization**
- **Low Cost**
- **Upgradable & Configurable**

## Introduction

IVT Bluetooth PSTN Data/Voice Access Point (AP) integrates the Bluetooth DUN, CTP/ICP and Headset profiles in one product, providing both wireless access to Internet service and the audio related services for Bluetooth-enabled devices like desktop, laptop, PDA, smart phone, mobile phone, headset, and some electrical appliances.

It has a standard RJ11 interface to connect to PSTN. When other Bluetooth mobile devices come into the range of the AP, a 2.4GHz wireless link will be established. This connection allows desktops/ Laptops/ PDAs to browse the Internet, send/receive email, transfer files, and share LAN resources wirelessly, enables mobile phones to be used as cordless phones of the AP, and realizes the call transfer automatically between the GSM/CDMA mobile phone call to the fixed line(AP), it means you still enjoy the convenience and flexibility of the mobile phone call but pay much lower. The AP supports simultaneously up to seven client connections with it, these client devices and the AP can make data or voice communication with each other free.

The design is suitable for office or family. Users would obtain the most convenience from this wireless solution.



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## Bluetooth PSTN Data/Voice AP



# Specifications

<b>Wireless Interface</b>	Complies with Bluetooth Core Specification V1.1 2.4 GHz~2.4835GHz license-free ISM Band
<b>Bluetooth Profiles</b>	Dial-up Networking Profile; Cordless Telephony Profile & Intercom Profile; Headset Profile
<b>Radio Power</b>	BT class 1, 100mW
<b>Range (open environment)</b>	100m
<b>Transmit mode</b>	Point to multi-points
<b>Wireless Link Maximum Rate</b>	723kbps
<b>Voice Channel</b>	64kbps
<b>Security</b>	Compliant with Bluetooth Security Specification
<b>Interface</b>	RJ11 PSTN
<b>Firmware Upgrade</b>	Firm Tool
<b>OS</b>	Non-SoC solution: uCos-II; SoC solution: BT module OS
<b>CPU</b>	Non-SoC solution: Samsung4510B; SoC solution: BT module CPU
<b>Power Input</b>	+5V DC
<b>Operation Temperature</b>	0°C to 60°C
<b>Storage Temperature</b>	-40°C to 85°C
<b>Humidity (non-condensing)</b>	10% to 90%



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