



Maipu iBus E3G Operation Platform Datasheet

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Overview

With the popularization of the Bus Wi-Fi services, the Bus Wi-Fi Operator puts forward the 3G/4G Internet service for the bus Wi-Fi passengers, With the huge number of bus numbers, it is more and more difficult to deploy, troubleshoot and maintain the devices on the buses.



All the deployed Bus terminals based on 3G/4G access brings serious problems, such as how to manage the increasing 3G/4G access devices remotely. The traditional network management system cannot deal with it. The increasing terminals result in the complexity of the network topology. All the buses are running all over the city and the device locating is hard for the traditional network management system. The large number of terminals makes software upgrade and daily monitoring become impossible. There are new terminals added every day, so it is necessary to make the deployment simple and you just need to insert the power supply. Such kind of management and maintenance problems are becoming the bottleneck of applying the Bus terminals based on the 3G/4G access. You need to plan and solve the problems earlier so that you can deal with the increasing service quantity in the future.

Therefore, with the application and management maintenance experiences of the 3G/4G access on the Bus, Maipu first puts forward the E3G (Easy 3G) technology, forming the intelligent 3G/4G integrated service management platform, solving the heavy workload of the 3G/4G-based service terminals in the daily management and maintenance, and starting the 3G/4G intelligent terminal management of the “cloud + client” times. The technology is widely applied in the Bus 3G/4G terminal management applications.

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Product Features

I Google Map locating

- ∅ Display the address location of the Bus 3G/4G terminal on the map in real time.
- ∅ The abnormal status of the device is alarmed on the map in the real time.



I Operation View

- ∅ Wi-Fi Data/User Information
- ∅ 3G/4G Data Information
- ∅ Bus registering Information
- ∅ Top10 Bus Overview



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I Configuration management

- Ø Support the registering and deploying function of the Bus terminal, reducing the workload of the user deployment
- Ø Support delivering configuration by short message and IP mode. You can perform the service deployment for the IPSEC and VPN service guide mode
- Ø E3G supports the configuration backup of the 3G/4G links
- Ø Support managing and upgrading the device version

I Device monitor

- Ø Monitor the route entries, IPSEC, and VPN in real time
- Ø Provide various alarming status, such as send email
- Ø Monitor the work time of the 3G/4G Bus terminal, memory CPU and system information
- Ø Provide active alarming, connect and disconnect alarming, lock alarming



I Asset management

- Ø SIM card information management, containing the management of the SIM card for the used account, mobile number and IMSI number
- Ø Support the maintenance for the system information of the bus 3G/4G terminals

I 3G/4G audit function

- Ø Support the statistics and report of the 3G/4G online duration for the bus terminals

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- Ø Support the statistics for the 3G/4G signal strength and provide reports
- Ø Support the statistics and report for the 3G/4G interface traffic
- Ø Support the statistics and report for the 3G/4G fee
- Ø Provide the rich customized report function and provide the export and save function

I System management

- Ø Support the user management, processing the user authorities by levels
- Ø Support the backup management function of the database, provide the function of exporting the user account data, and be compatible with the user data of Maipu AAS authentication system
- Ø System log management function, monitoring each operation

Product Specification

Server Basic Requirements	
Server Model	HP Server
Min. Memory	8G
Min. CPU	Intel 4 Core Xeon CPU
Operation System	Linux CentOS 6.3
Hard Disk Capacity	1-2T
E3G characteristics	
Organization Management	The organization management function is used to add, delete, view, and change the organization.
Configuration Management	The user can perform differentiated modification on the template and finally generate the specific operating configuration for each 3G/4G Bus terminal.
Service Management	Service management is the main platform for the E3G platform to manage the devices. This function further provides the following functions: Provision service, Update configuration, Restart device, Force offline, Activate by short message, Device Upgrade, and Device Diagnosing, etc.
Alarm Management	This function provides the following functions: Device active alarm, IP connection/disconnection alarm, Location locking alarm, Traffic and SMS alarm, IP address conflict alarm, etc.
Asset Management	Asset Management includes: Device Type Management, SIM Card Management, Asset Data Import and Export, etc.
Accounting Management	Accounting Management includes: Package Management, Accounting Group Management, Unbind SIM Card, etc.
Report Statistics	Report Statistics includes: Traffic Report, Signal strength Report, 3G/4G online duration Report, Short message Report, E3G short messages Report, etc.
System Management	System Management includes: Modify Basic Information, System Audit, View E3G Logs, About E3G, etc.

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Order Information

Host model	Description
E3G-EN	Maipu Easy 3G intelligent Management Platform
E3G-EN-L1	The license for E3G platform, one 3G terminal needs one license