AP-RAC1000
Remote Access Controller

Next Generation Remote Access Controller for GSM Gateways

Preliminary Product Overview

AddPac

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Product Overview

- Remote Access Controller for Multiple GSM Gateways
- Embedded H/W Platform with Dual CPU Module Slots
- Fault Tolerant and Reliability Service
- Up to 256 GSM Gateway Support
- Telnet Server, FTP Server, SNMP Agent
- AddPac Specific Remote Access Control Functions
  - Automatic Gateway Registration
  - Remote monitoring via HTTP interface

Hardware Specification

High-end
RISC

- High-end Programmable RISC Hardware Architecture
- Two(2) Module Slots for Remote Access Control Service
- Smart Remote Access Control System Board
  - Network Interface
    - Two(2) 10/100/1000Mbps Gigabit Ethernet
    - One(1) Console Port

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Hardware Specification

AP-RAC1000 Remote Access Controller
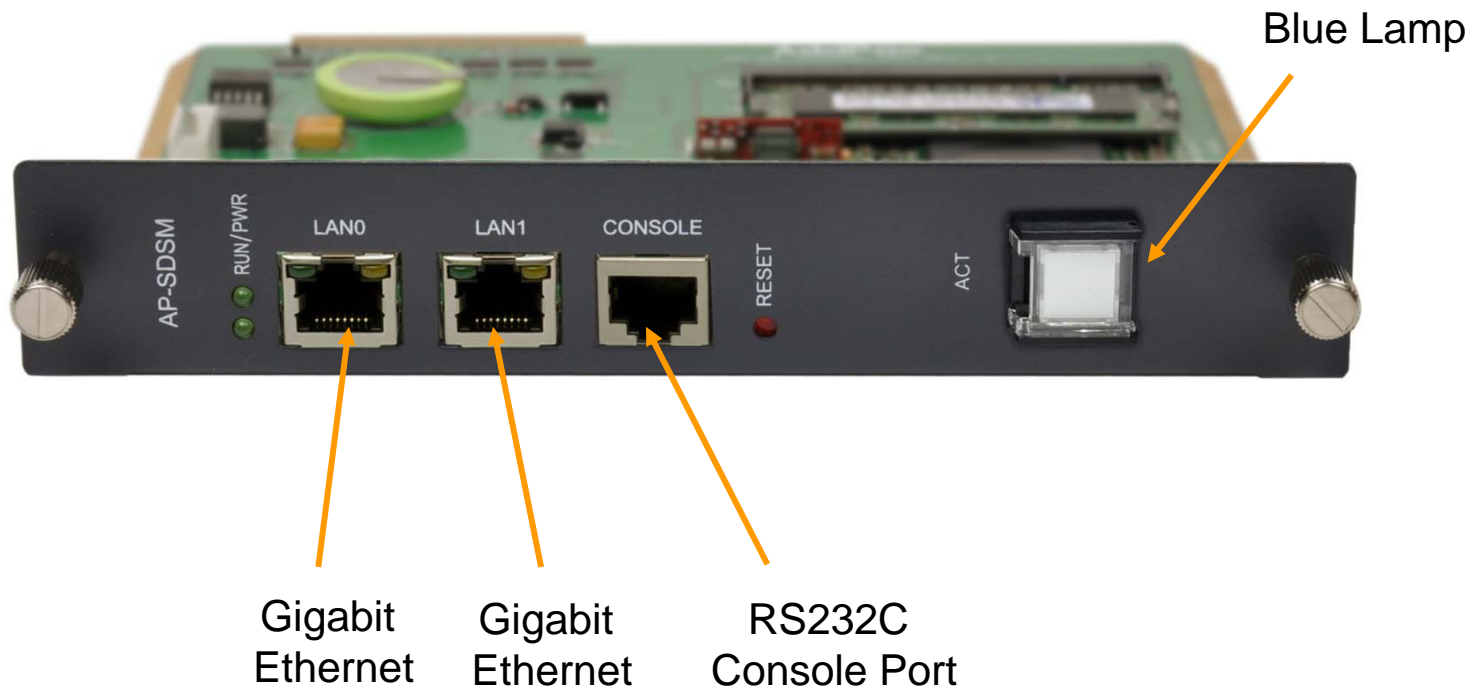
AP-RAC1000 Front View

RAC System Board

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Hardware Specification

AP-RAC1000 Remote Access Controller

64bit CPU

DSP

RAC System Board

Blue Lamp

Gigabit Ethernet

Gigabit Ethernet

RS232C Console Port

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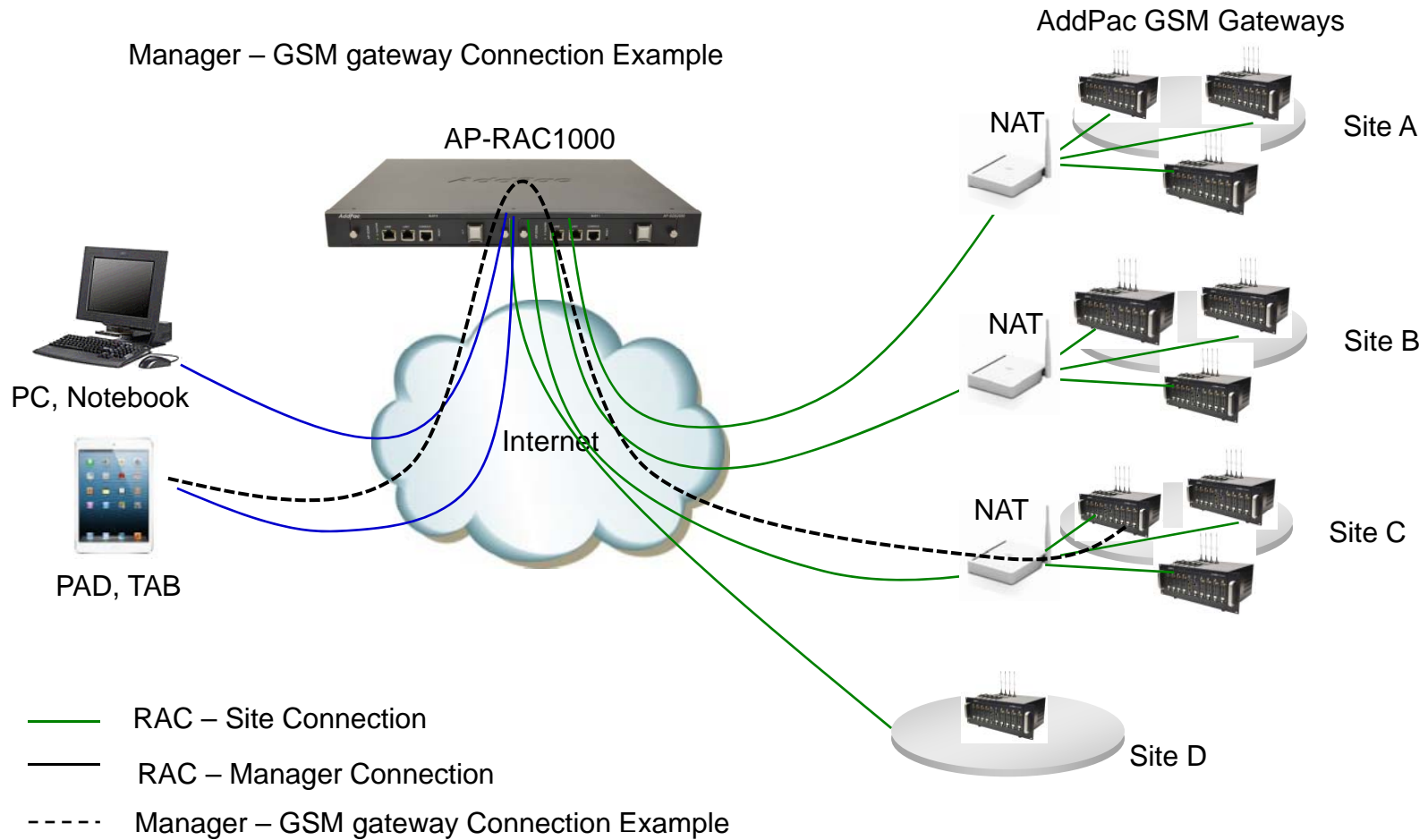# Software Service

- **GSM gateway Status Monitoring**
  - Display summary Information
  - Display basic gateway status

- **GSM gateway HTTP Access**
  - Direct Access the gateway via RAC

- **GSM gateway Telnet Access via RAC**
  - Direct Access the gateway via RAC

- **Support Dynamic Address**
  - Static/DHCP/PPP Environment

- **Support NAT/PAT Environment**
  - Support Private IP address behind of NAT router

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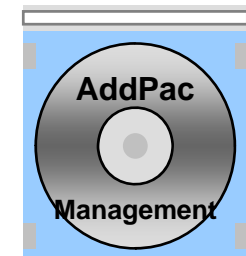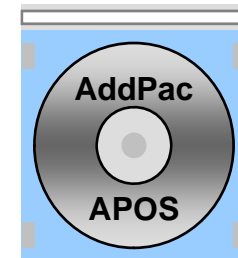
Remote Access Control Network Diagram

AP-RAC1000 Remote Access Controller

AddPac GSM Gateways

Manager – GSM gateway Connection Example

AP-RAC1000

NAT — Site A

NAT — Site B

NAT — Site C

PC, Notebook

Internet

PAD, TAB

Site D

——— RAC – Site Connection

——— RAC – Manager Connection

----- Manager – GSM gateway Connection Example

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Network Service and Features

- Network Managements
  - Standard SNMP Agent (MIB v2) Support
  - Remote Management using Console, Telnet
  - Web based Management using HTTP Server Interface

- Security Functions
  - Standard & Extended IP Access List
  - Enable/Disable for Specific Network Protocols
  - Multi-level User Account Management
  - Auto-disconnect for Telnet/Console Sessions
  - PPP User Authentication Supports (PAP & CHAP)

- Operation & Managements
  - System Performance Analysis for Process, CPU, Connection Interface
  - Debugging, System Auditing, and Diagnostics Support
  - System Booting and Auto-rebooting with Watchdog Feature
  - System Managements with Data Logging
  - IP Traffic Statistics with Accounting

Network Service and Features

- Other Scalability Features
  - DHCP Server & Relay Functions
  - Network Address Translation (NAT) Function
  - Port Address Translation (PAT) Function
  - Transparent Bridging (IEEE Standard) Function
    - Spanning Tree Bridging Protocol Support
    - Remote Bridging Support
    - Concurrent Routing and Bridging Support
  - Cisco Style Command Line Interface (CLI)
  - Network time Protocol (NTP) Support

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Ordering Information

- **AP-RAC1000 Hardware Platform**
  - Embedded H/W Platform
  - Programmable RISC Architecture
  - Two(2) RAC System Board Module Slots
- **Built-in APOS Internetworking Software for AP-RAC1000**
- **Including 1 Year Hardware Warranty**
- **Product Documents**
  - Install and Operation Guide (PDF)
- **Pricing**
  - AddPac Technology Regional Sales Manager
  - Authorized Sales and Marketing Representatives
  - Please Contact www.addpac.com

Thank you!

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