

AP-PCT100

PTT Control IP Terminal

High Performance PTT (Push to Talk) Control IP Terminal Solution

Product Overview



AddPac

AddPac Technology

Sales and Marketing

www.addpac.com

High Quality, High Resolution

AP-PCT100 PTT Control IP Terminal



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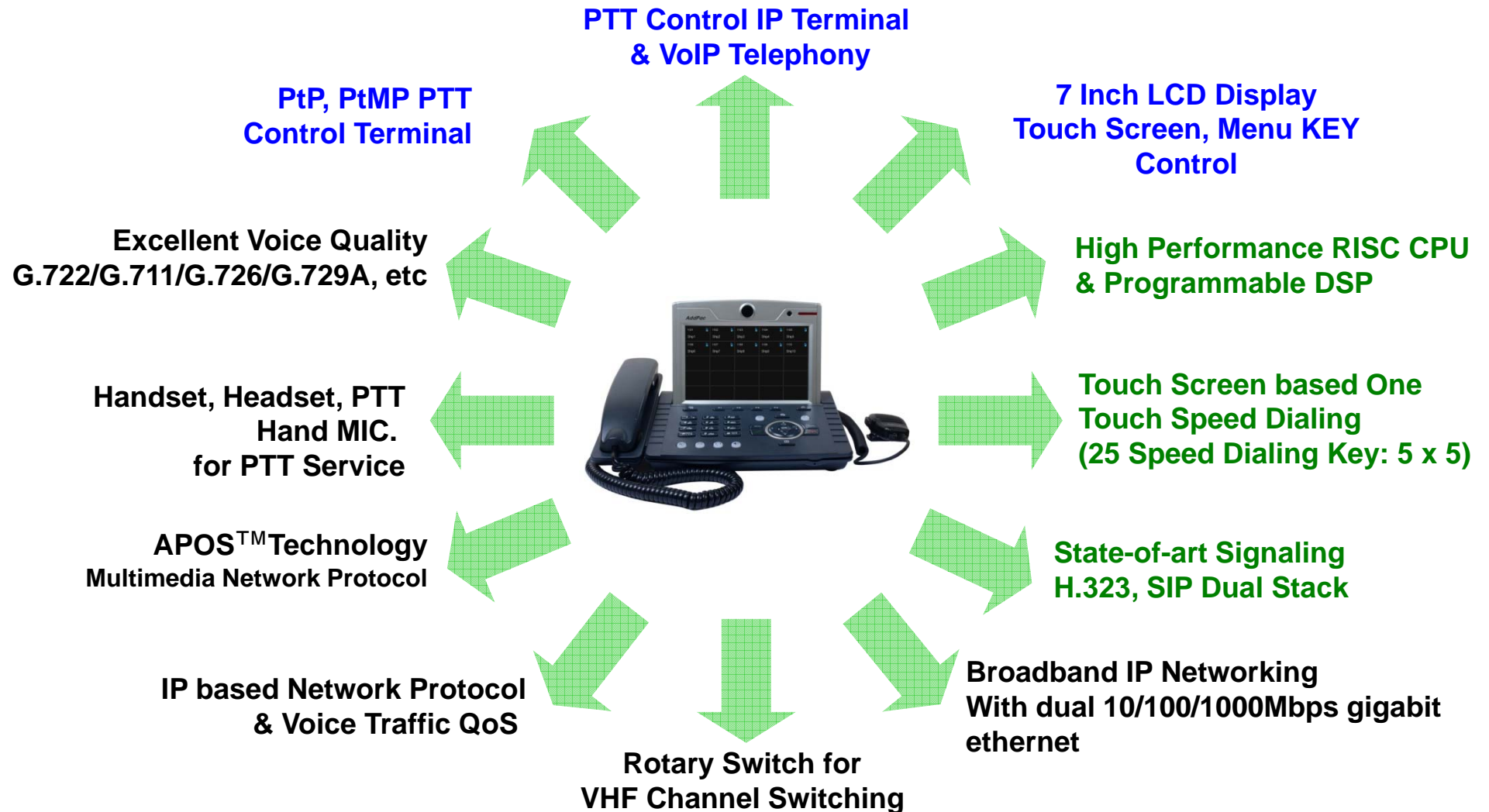
Product Overview

AP-PCT100 PTT Control IP Terminal

- PTT (Push to Talk) Control IP Terminal Solution
- PTT : Handset, Headset, PTT Dedicate MIC., Rotary Switch for Frequency Change
- RoIP (Radio over IP) Control Terminal Solution for Call Center
- High-Quality Audio and Voice Service
- High Performance Programmable DSP
- 7Inch Touch Screen LCD Control
- H.323 and SIP Dual VoIP Signaling Protocols
- Various VoIP Codec (G.711,G.726,G.729,etc) Support for Satellite RoIP Service
- Two(2) 10/100/1000Mbps Gigabit Ethernet
- Call Status Monitoring Support
- XML Browser Support
- Firmware Upgradeable Architecture
- Video Solution with Outstanding Network Service Capability
- Audio/Video Privacy Protection

Product Highlights

AP-PCT100 PTT Control IP Terminal



Hardware Specification

AP-PCT100 PTT Control IP Terminal

High-end
DSP

- High-end Programmable DSP Hardware Architecture
- High quality Audio and Voice Interface
 - Stereo Audio Input & Output Connector
- Network Interface
 - Two(2) 10/100/1000Mbps Gigabit Ethernet
 - One(1) RS-232C Console
- Power Supply
 - External Power Adaptor
 - PoE (Power over Ethernet) : Option
- PTT Mic. Interface : Ex. PTT Hand MIC.
- Rotary Switch for VHF Frequency Switching

Hardware Specification

AP-PCT100 PTT Control IP Terminal

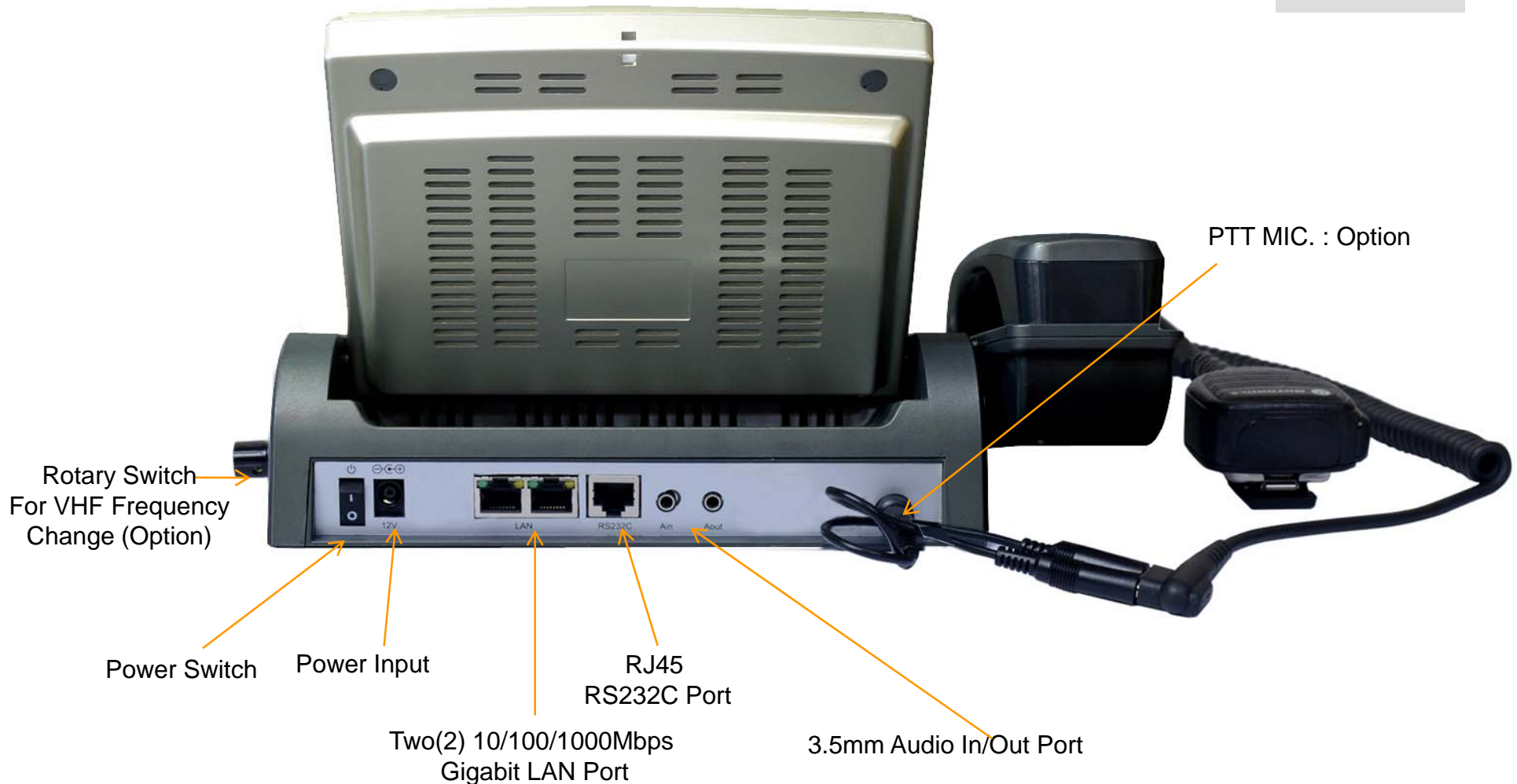
High-end
DSP



Hardware Specification

AP-PCT100 PTT Control IP Terminal

High-end
DSP



Hardware Specification

AP-PCT100 PTT Control IP Terminal

High-end
DSP

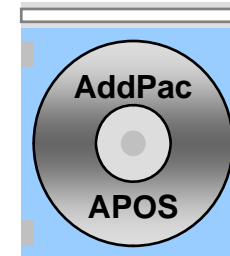


Rotary Switch
For VHF Frequency
Change (Option)

Software Service

AP-PCT100 PTT Control IP Terminal

- **Built-in AddPac APOS Internetworking Software**
 - Scalability, Functionality, and Stability Features
 - Voice Traffic QoS Control
- **Programmable Audio, and Voice Services**
 - Audio Codec
- **Firmware Upgradeable DSP Architecture**
- **OSD (On-screen Display) Function Support**
- **Industry Standard IP based Network Protocol Features**
- **RoIP (Radio over IP) PTT Service Features**





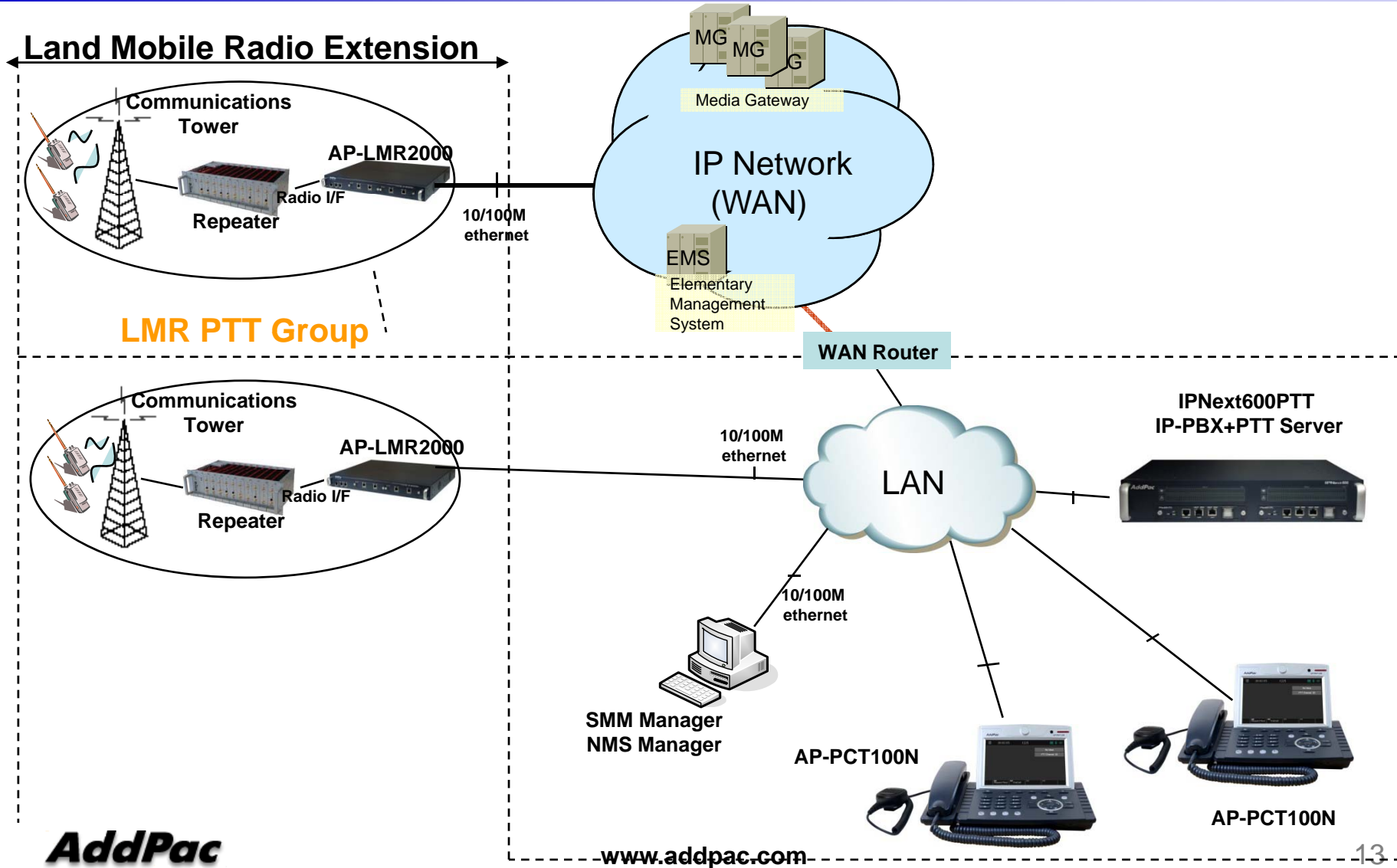
Voice PTT (Push-to-Talk) Service Features

Contents

- PTT Service Network Diagram
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- AP-PCT100N Voice PTT Service UI
 - PTT Idle Mode
 - PTT Call Mode
 - PTT Call Mode (Dialing)
 - PTT Waiting Mode
 - PTT Mode
 - PTT Close Mode



PTT Service Network Diagram



AddPac PTT Service Features

- **Various VoIP & PTT Call Mode Support**
 - VoIP Call & PTT Call Support
 - Call Waiting Support and Incoming Call Indication
 - VoIP Call and PTT Call Mode Change
 - Various PTT Call Mode Support
 - Point-to-Point PTT Call, Group PTT Call, Emergency PTT Call
 - PTT Call Connection using Send/PTT Button
- **Status Display & Indication Function**
 - Various Call Status Display using ICON
 - Call, SMS, Wi-Fi Antenna, PTT Call Status
 - Status Indication using LED
 - Absent Call, Emergency Call
 - Status Indication using Sound
 - PTT Call Start/Incoming Call, Wi-Fi connection and release

AddPac PTT Service Features

- PTT Group List Display Function
 - PTT Member List Display
 - Overall, Personal, Group, Emergency List Display
 - Group Presence Status Display
 - PTT Group Presence Status Display (Option : Presence Server Required)
 - Automatic Presence Status Display
 - Manual Presence Status Display
- VoIP Call List Display
 - Outbound/Incoming/Absent Call List
 - VoIP Call Phone Book
 - VoIP Call List Delete and Redialing Support



AP-PCT100 PTT(Push-to-Talk) Service UI

PTT Idle Mode

1101	1102	1103	1104	1105
Ship1	Ship2	Ship3	Ship4	Ship5
1106	1107	1108	1109	1110
Ship6	Ship7	Ship8	Ship9	Ship10



PTT Call Mode by
Speed Dial Press

PTT Call Mode

1101	1102	1103	1104	1105
Ship1	Ship2	Ship3	Ship4	Ship5
1106	1107	1108	1109	1110
Ship6	Ship7	Ship8	Ship9	Ship10



PTT Call Mode (Dialing)

PTT Dialing Number : Ship1(1101)



Push-to-Talk Mode



Push-to-Talk (F1 Softkey
Press)

PTT Close Mode



PTT Close (F2 Softkey Press
& OK)

Audio & Voice Service and Features

AP-PCT100 PTT Control IP Terminal

- **Audio & Voice Networking Interface**
 - Audio Input/Output Port (2 x 3.5mm Stereo Female Connector)
- **VoIP based Signaling Protocol Support**
 - H.323, SIP Multiple Signaling Protocol Stack
 - H.323 Gateway, Gatekeeper Support
- **High-performance Audio & Voice Codec Support**
 - Line IN/OUT : G.711, G.726, G.729A, G.723.1 Audio Codec, etc
- **Enhanced QoS Management Features for Voice Traffics**

Network Service and Features

AP-PCT100N PTT Control IP Terminal

- **Basic Network Protocols**
 - ARP, IP, IPv6, TCP, UDP, ICMP, ICMPv6, SCTP, IGMP, MLD
- **Routing Protocol**
 - IPv4 : Static
 - IPv6 : Static
- **Service Protocol**
 - FTP, Telnet, TFTP, DHCP Server/Relay, SNMP Server
 - CDP (Cisco Discovery Protocol)
 - DNS Resolver , DDNS(nsupdate)
 - Bridge
 - Syslog
 - IP/IPv6 policy control (QoS)
 - VPDN (Virtual Private Dial-up Network : L2TP Server)

Network Service and Features

AP-PCT100N PTT Control IP Terminal

- **IPv4/IPv6 Interworking**
 - NAT/PAT for IPv4
 - IP connect (formerly ip-share) and device cascade for IPv4
 - IP/IP, IP/GRE tunneling
 - NAT-PT
 - 6to4, Autoconfig tunneling
- **IPv4 Address Configuration**
 - Fixed (Static)
 - DHCP
 - PPPoE
- **IPv6 Address Configuration**
 - Fixed (Static)
 - EUI-64
 - Autoconfig (Neighbor Advertisement and Solicitation)

Network Service and Features

AP-PCT100 PTT Control IP Terminal

- **Miscellaneous**
 - Cisco Style CLI
 - Standard & Extended IPv4/IPv6 Access List
 - Multi-level User Account Management
 - IP accounting
 - fsh (Embedded file system shell)
 - STUN Client

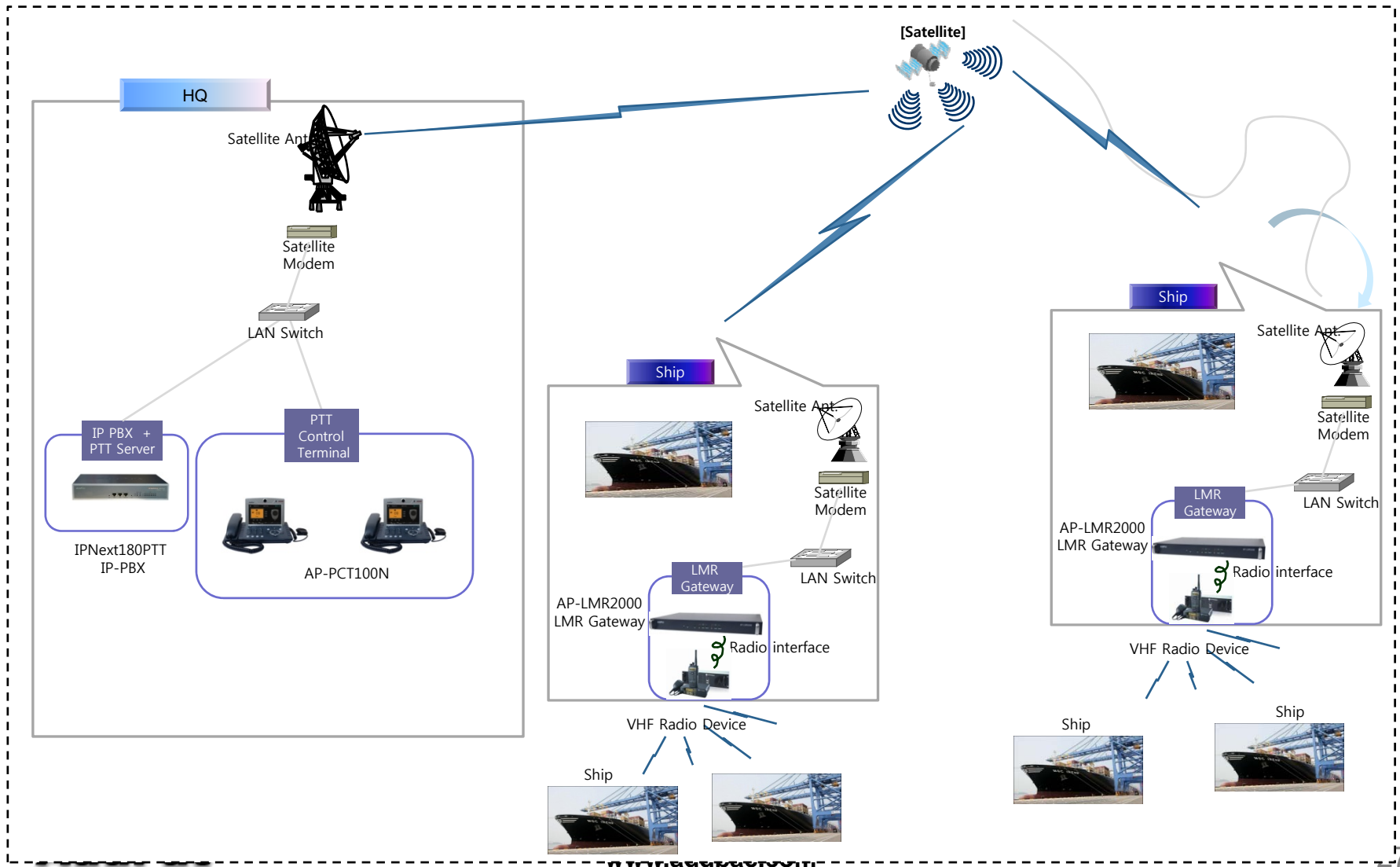
Network Service and Features

AP-PCT100 PTT Control IP Terminal

- **SNMP MIBs**
 - MIB-II
 - RMON MIBs (Statistics, History, Alarm, Hosts Group)
 - RFC2465 Management Information Base for IP Version 6: Textual Conventions and General Group
 - RFC2466 Management Information Base for IP Version 6: ICMPv6 Group
 - RFC2452 IP Version 6 Management Information Base for the Transmission Control Protocol
 - RFC2454 IP Version 6 Management Information Base for the User Datagram Protocol
 - AddPac Enterprise MIBs
 - etc

AP-PCT100 PTT Control IP Terminal

Satellite RoIP Service Application



Ordering Information

- **AP-PCT100 PTT Control IP Terminal Hardware**
 - RISC Microprocessor with High-end Programmable DSP Architecture
 - 7 Inch LCD, Touch Screen
 - 3.5mm Audio Input/Output
 - 2-ports 10/100/1000Mbps Gigabit Ethernet and 1-port RS-232C Console
 - Rotary Switch for VHF Frequency Channel Switch.
 - 1-Port PTT MIC Interface for Motorola PTT MIC. etc.
 - Option : PoE Interface
 - Including Network Cable Set & Ext. Power Supply, etc.
- **Built-in APOS Internetworking Software for AP-PCT100**
- **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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