# AP-GTR2000GD

## Gigabit Dual Power GPS NTP Server

High Performance GPS NTP Server Terminal Solution

GPS 모듈 스펙




**AddPac Technology**

Sales and Marketing

**www.addpac.com**

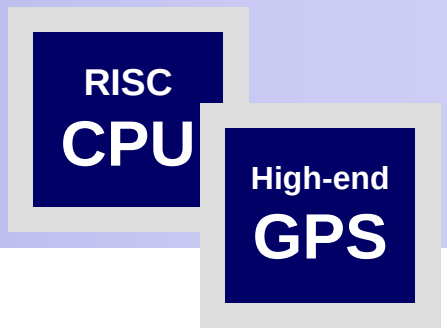
# 목 차


- 제품 주요 특징
- 하드웨어 사양
- GPS 신호 처리 구조
- GPS 모듈 사양

# 제품 주요 특징

- Embedded NTP Server with GPS Time Receiver Module
- High Performance GPS Time Receiver Terminal Solution
- IP based GPS Time Receiver (Location Free, etc)
- Dual RS232 Port for GPS Time Information Transmission
- LCD Display for GPS Time Information
- External Antenna Interface Support
- Dual Gigabit Ethernet Interface
- High Performance Antenna Support for GPS Signal
- Blue LAMP for Device Status
- Smart Web Manager for System Configuration & Management
- Window, Linux Simple Socket API Program Support
- Firmware Upgradeable Architecture
- Dual Power Supply for Redundancy

# 하드웨서 사양




- RISC Microprocessor Computing Power
- High-end GPS Module Hardware Architecture
- One(1) Module Slot for GPS Module
- LCD Display at Front Side
- Blue LAMP
- Two(2) 10/100/1000Mbps Gigabit Ethernet Interface
- Dual(2) DB-9 RS232C Interface
- Internal Dual Power Supply
- Rack Mount Bracket (Option)
- GPS Antenna (Option)
- Option Module : AP-GPS-RS232
  - Two(2) DB-9 RS232C Interface Port
  - GPS  Antenna Interface Port

# 하드웨어 사양

RISC CPU

High-end GPS

Front Side




Two(2) 10/100/1000Mbps LAN Ports

RS232C Console

Status LCD

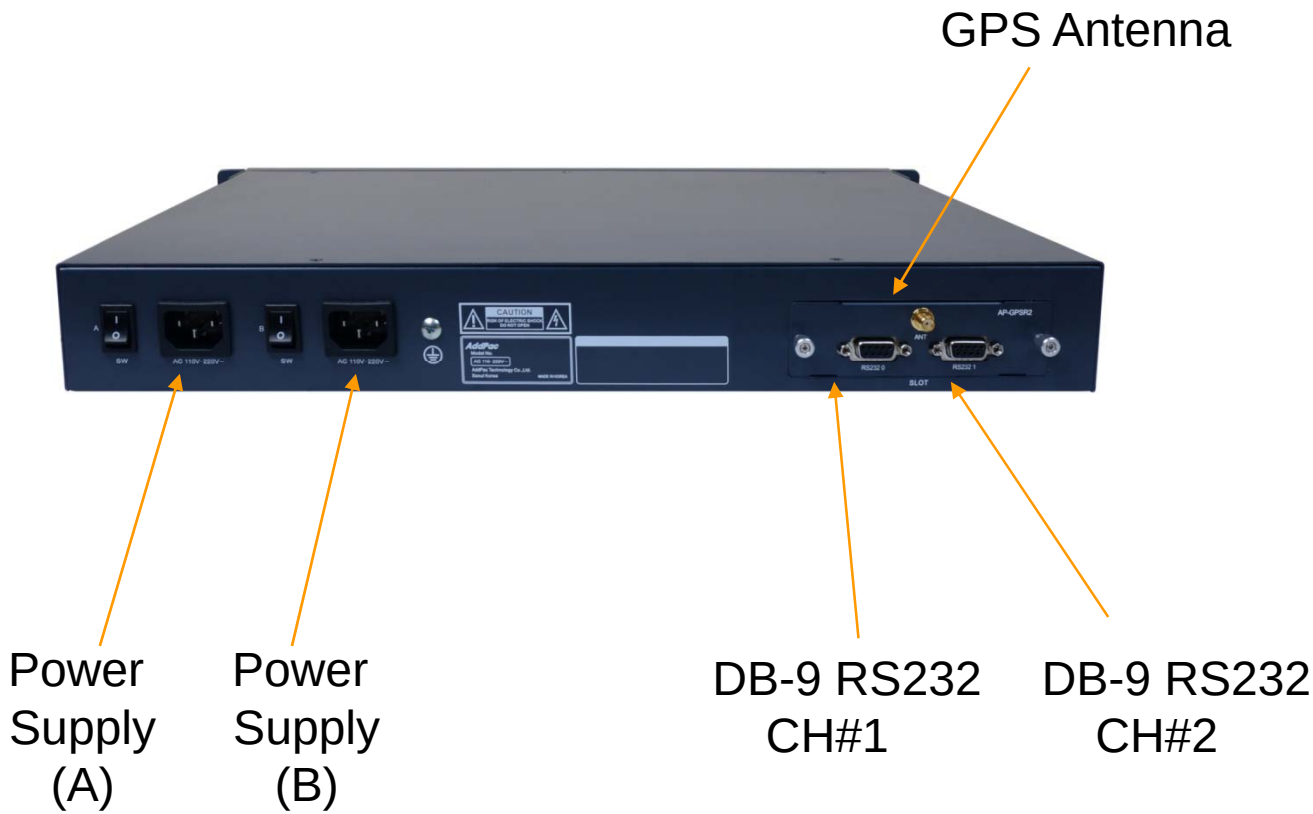
On-Air Blue LAMP & Switch

# 하드웨어 사양

RISC CPU

High-end GPS

## Back Side



# 하드웨어 사양

RISC CPU

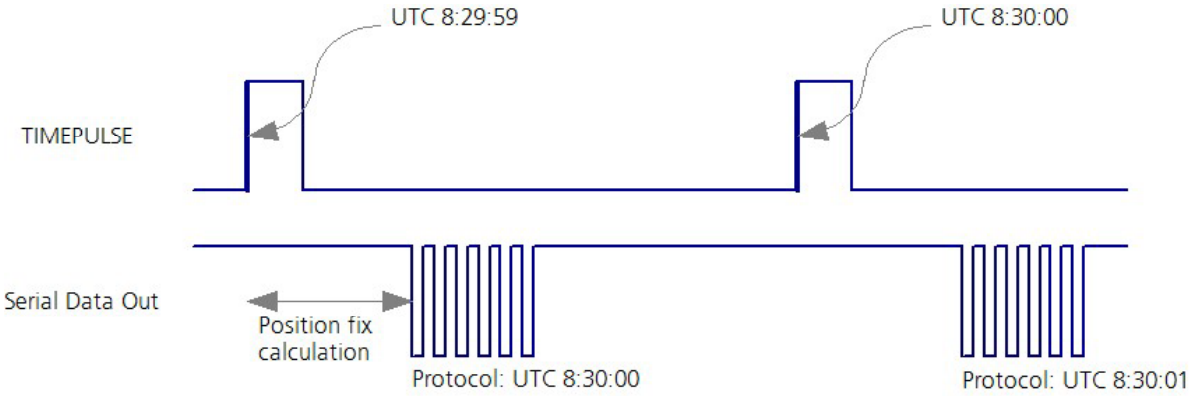
High-end GPS

GPS Antenna



# GPS 신호처리

1. GPS **모뎀**
   1) **디바이스 모델** : GPS H/W CHIP
   2) **인터페이스 방식** : RS232C
   3) **통신속도** : 9600 bps
2. **신호수신 방법**
   1) **프로토콜** : NMEA (The National Marine Electronics Association)
   2) **시간정보 수신 주기** : 1초
   3) **시간정보 수신 후에 타임동기 인터럽트 수신**



# GPS 모듈 지원 스팩

1. Receiver Type
   - ✓ 72 Channel Satellite
   - ✓ GPS L1C/A
   - ✓ SBAS L1C/A
   - ✓ QZSS L1C/A
   - ✓ GLONASS L1OF
   - ✓ BeiDou B1
2. Tracking & Navigation Sensitivity
   - ✓ -166 dBm
3. Max Navigation Update Rate
   - ✓ 10 Hz
4. Support GPS Data
   - ✓ WAAS
   - ✓ EGNOS
   - ✓ MSAS
   - ✓ GAGAN
   - ✓ RTCM

# Thank you!

**AddPac Technology Co., Ltd.**
Sales and Marketing

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