

# AP-GTR2000GD

## Dual Gigabit Dual Power GPS NTP Server

High Performance GPS NTP Server Terminal Solution

GPS Signal Level  
Display



**AddPac**

**AddPac Technology**

Sales and Marketing

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# Product Overview

- 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

# Hardware Specification

RISC  
CPU

High-end  
GPS

- RISC Microprocessor Computing Power
- High-end GPS Module Hardware Architecture
- One(1) Module Slot for GPS Module
- LCD Display at Front Side
- Blue LAMP
- One(1) 10/100Mbps Fast Ethernet Interface
- Dual(2) DB-9 RS232C Interface
- Internal Power Supply
- Rack Mount Bracket (Option)
- GPS Antenna (Option) : 10m, 20m, 30m
- Option Module : AP-GPS-RS232
  - Two(2) DB-9 RS232C Interface Port
  - GPS Antenna Interface Port

# Hardware Specification

RISC  
CPU

High-end  
GPS

## Front Side



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

RS232C Console

Status LCD

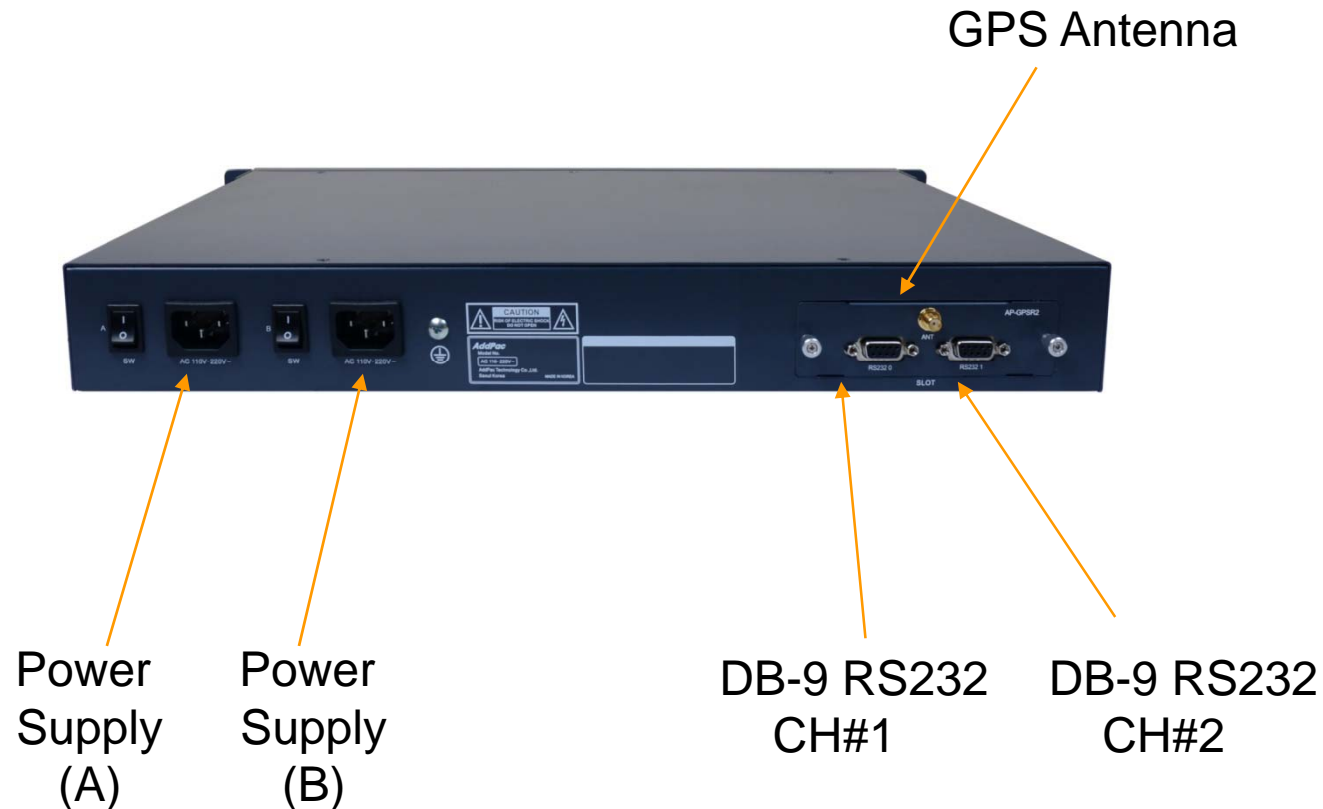
On-Air Blue LAMP  
& Switch

# Hardware Specification

RISC  
CPU

High-end  
GPS

## Back Side



# Hardware Specification

RISC  
CPU

High-end  
GPS

## GPS Antenna



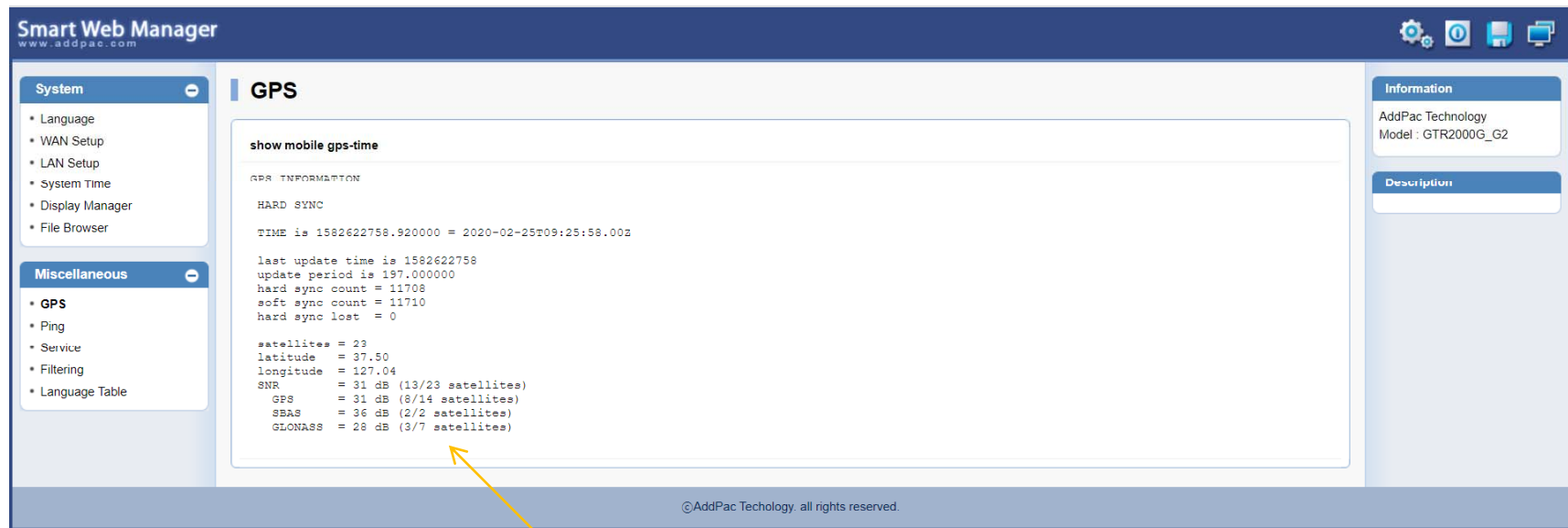
# GPS Signal Power Level Display (Front LCD Window)

GPS SNR Signal Level Display





# GPS Signal Power Level Display (Smart Web Manager)



The screenshot displays the Smart Web Manager interface with the following components:

- System Menu:** Language, WAN Setup, LAN Setup, System Time, Display Manager, File Browser.
- Miscellaneous Menu:** GPS, Ping, Service, Filtering, Language Table.
- Information Panel:** AddPac Technology, Model: GTR2000G\_G2.
- GPS Section:** show mobile gps-time

```
GPS INFORMATION
HARD SYNC
TIME is 1582622758.920000 = 2020-02-25T09:25:58.00z
last update time is 1582622758
update period is 197.000000
hard sync count = 11708
soft sync count = 11710
hard sync lost = 0

#satellites = 23
latitude = 37.50
longitude = 127.04
SNR = 31 dB (13/23 satellites)
GPS = 31 dB (8/14 satellites)
SBAS = 36 dB (2/2 satellites)
GLONASS = 28 dB (3/7 satellites)
```

An orange arrow points from the text below to the SNR line in the output.

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## GPS SNR Signal Level Display (GPS, SBAS, GLONASS)



# Thank you!

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