

AP-GTR3000GD

Gigabit Dual Power GPS NTP Server

High Performance GPS NTP Server Terminal Solution

Smart Web Manager



AddPac

AddPac Technology

Sales and Marketing

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Contents

- Product Overview
- Hardware Specification
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- SNTP (Simple Network Time Protocol) Server Diagram

Product Overview

AP-GTR3000GD Gigabit Dual Power GPS NTP Server

- Embedded NTP Server with GPS Time Receiver Module
- High Performance GPS NTP(Network Time Protocol) Server Solution
- IP based GPS Time Receiver (Location Free, etc)
- Dual RS232 Port for GPS Time Information Transmission
- Touch Screen 5 Inch Color LCD Display for GPS Time Information & System Configuration
- 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
- Module Type Dual Power Supply for Redundancy

Hardware Specification

AP-GTR3000GD Gigabit Dual Power GPS NTP Server

RISC
CPU

High-end
GPS

- RISC Microprocessor Computing Power
- High-end GPS Module Hardware Architecture
- One(1) Module Slot for GPS Module
- Two(2) Power Supply Module Slots for Redundancy
- 5Inch Color LCD Display at Front Side
- Blue LAMP for GPS Sync. Indication
- 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) : 10m,20m,30m, etc
- Option Module : AP-GPS-RS232
 - Two(2) DB-9 RS232C Interface Port
 - GPS Antenna Interface Port

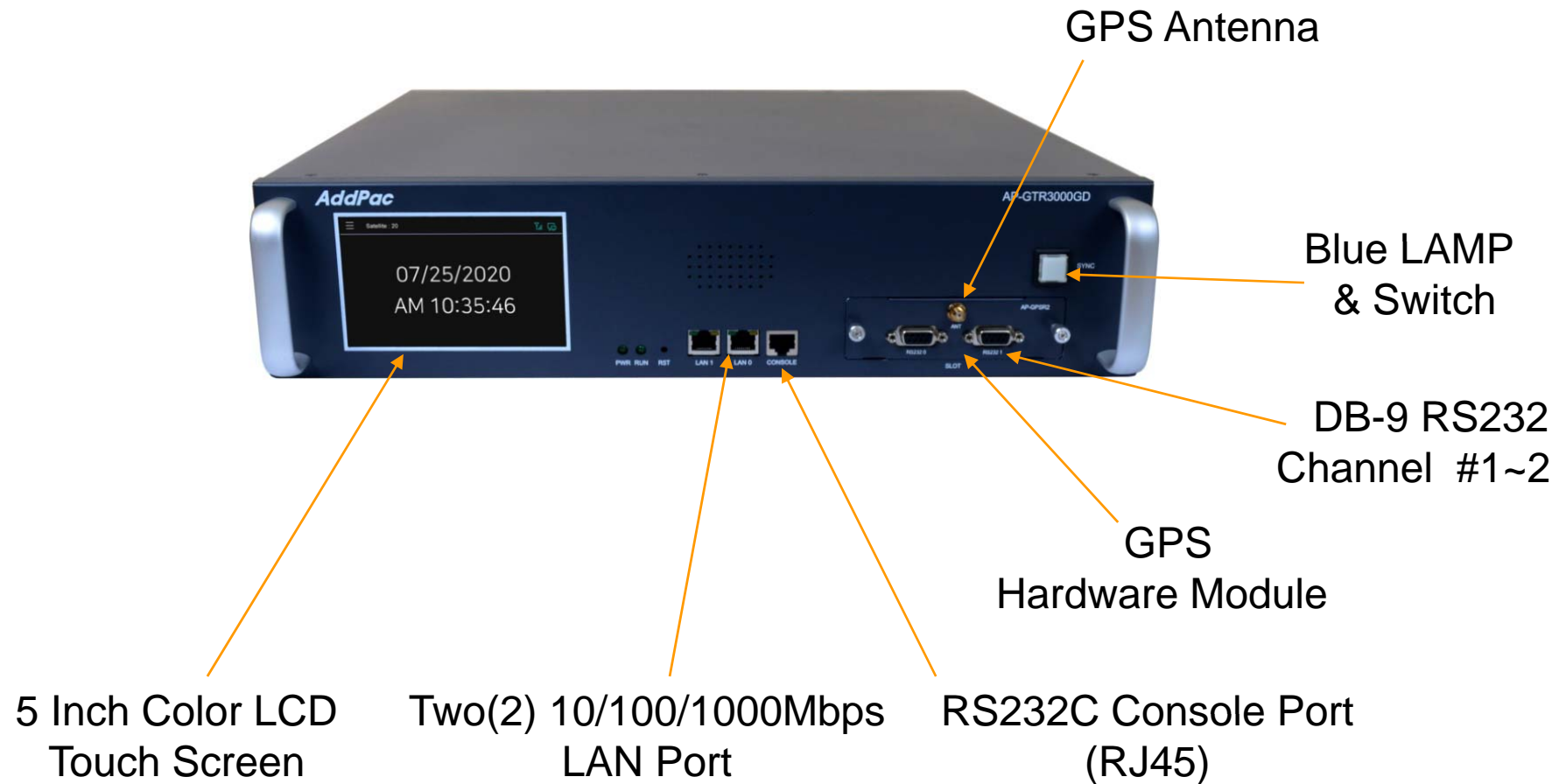
Hardware Specification

AP-GTR3000GD Gigabit Dual Power GPS NTP Server

RISC
CPU

High-end
GPS

Front Side



Hardware Specification

AP-GTR2000GD Gigabit Dual Power GPS NTP Server

RISC
CPU

High-end
GPS

Back Side



Power
Supply
(A)

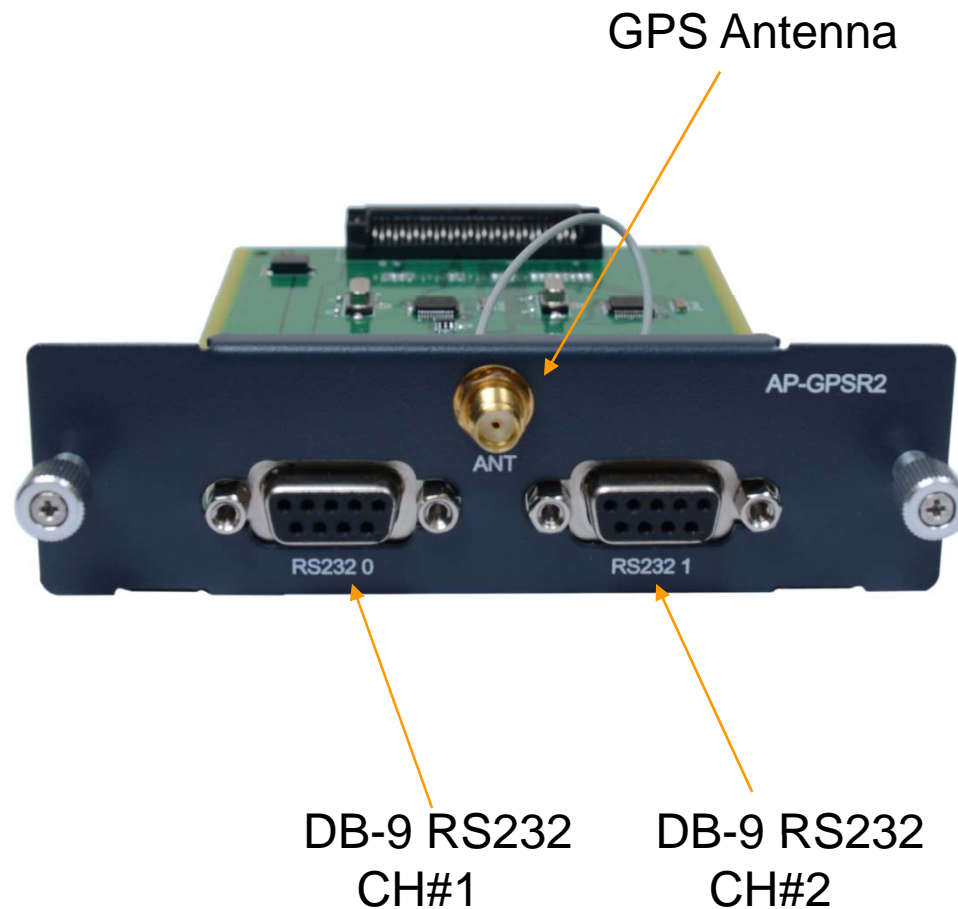
Power
Supply
(B)

Hardware Specification

AP-GTR3000GD Gigabit Dual Power GPS NTP Server

RISC
CPU

High-end
GPS



Hardware Specification

AP-GTR3000GD Gigabit Dual Power GPS NTP Server

RISC
CPU

High-end
GPS

GPS Antenna





Smart Web Manager

Main View

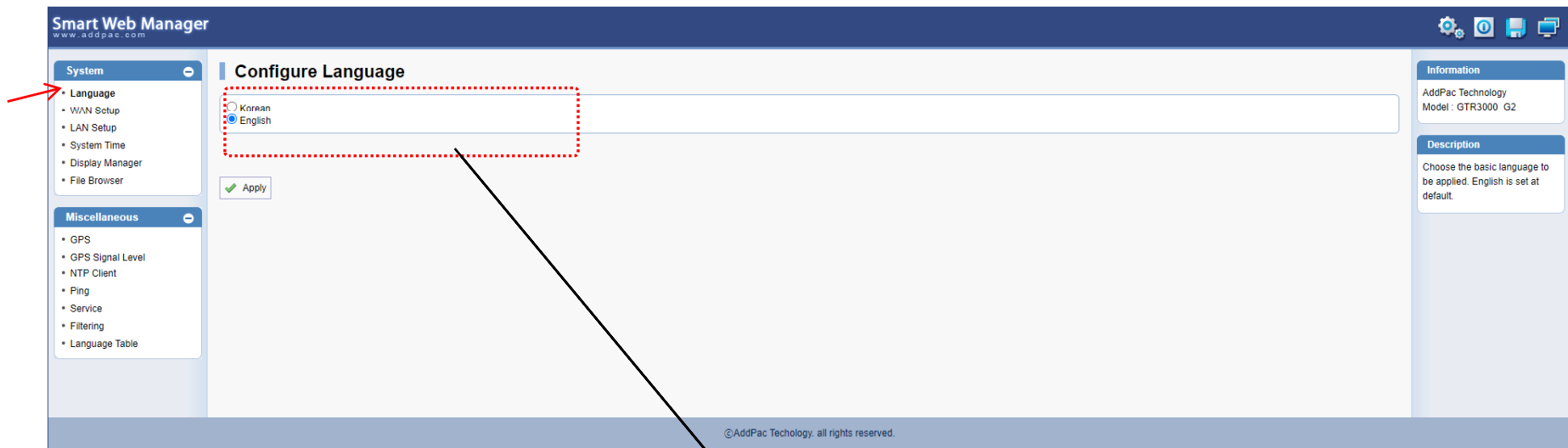


Show System Information

- HW version
- SW version

System View

Language



Choose the basic language to be applied. English is set at default.

System View

WAN Setup – WAN Setup(1/2)

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System

- Language
- **WAN Setup**
- LAN Setup
- System Time
- Display Manager
- File Browser

Miscellaneous

- GPS
- GPS Signal Level
- NTP Client
- Ping
- Service
- Filtering
- Language Table

WAN Setup

LAN Setup

Hostname

Static IP ☒

IP Address A.B.C.D

Network Mask A.B.C.D

Default Router A.B.C.D

DNS Server Primary DNS Server

Secondary DNS Server

☐ DHCP

☐ VLAN ID

NAT & Bridge ☒ None ☐ Bridge

Information

AddPac Technology
Model : GTR3000_G2

Description

This command sets up LAN port. The static IP address is to be assigned from the service provider and you can enter the assigned IP address. For DHCP, the IP address of the device can be changed. MAC Address change can be used only when necessary. It is recommended to use the address created by the user not the address of the device

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This command sets up WAN port. The static IP address is to be assigned from the service provider and you can enter the assigned IP address.
For DHCP and PPPoE, IP address of this device can be changed.
MAC Address change can be used only when necessary.
It is recommended to use the address created by the user not the address of the device

System View

WAN Setup – Tunneling Setup (2/2)

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System

- Language
- WAN Setup
- **LAN Setup**
- System Time
- Display Manager
- File Browser

Miscellaneous

- GPS
- GPS Signal Level
- NTP Client
- Ping
- Service
- Filtering
- Language Table

LAN Setup

☐ None -

☐ Bridge -

☒ Static

IP Address: A.B.C.D (default 192.168.10.1)

Network Mask: A.B.C.D (default 255.255.255.0)

Information

AddPac Technology
Model: GTR3000_G2

Description

This is the settings for using PPTP(Point-to-Point Tunneling Protocol). For the setting to be used for tunneling, please contact the manufacturer of the device

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LAN Setup

- DHCP Protocol
- Static IP Configuration

System View

System Time

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System

- Language
- WAN Setup
- LAN Setup
- System Time**
- Display Manager
- File Browser

Miscellaneous

- GPS
- GPS Signal Level
- NTP Client
- Ping
- Service
- Filtering
- Language Table

System Time

System Time: 7 Month 30 Day 2020 Year 9 Hour 31 Minute 33 Second

Time Zone: Name: seoul Hour: +9 Minute: 0 (Time zone name and offset from GMT)

Daylight saving time: ☐ Use ☒ Unuse

Time Format: ☒ 12H ☐ 24H

Data Format: ☐ yy.mm.dd ☐ dd.mm.yy ☒ mm.dd.yy

Apply

Information
AddPac Technology
Model : GTR3000_G2

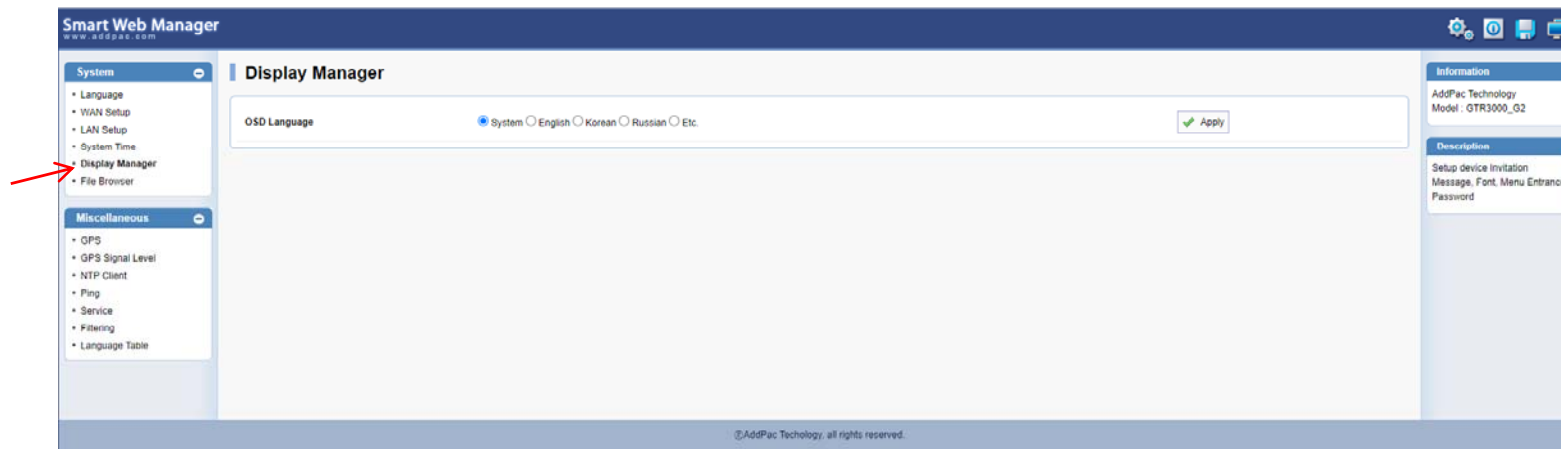
Description
Setting the device time

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System Time
-Show current time
-Configure time zone

System View

Display Manager (OSD at Front LCD)



System View

File Browser

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System

- Language
- WAN Setup
- LAN Setup
- System Time
- Display Manager
- **File Browser**

Miscellaneous

- GPS
- GPS Signal Level
- NTP Client
- Ping
- Service
- Filtering
- Language Table

File Browser

Index of Root/home2/

Name	Size	Type	Last Modified
Parent Directory/		Directory	
backup/		Directory	2020-Jul-28 14:50:49
bin/		Directory	1970-Jan-10 06:43:56
ctg/		Directory	2020-Jul-28 15:35:46
fonts/		Directory	2020-Jul-27 13:13:01
image/		Directory	1970-Jan-09 07:17:59
jul/		Directory	2020-Jul-27 14:28:57
lib/		Directory	2020-May-22 12:11:41
log/		Directory	1970-Jan-10 09:00:23
logo/		Directory	1970-Jan-01 09:00:12
rdk/		Directory	2020-Jul-28 14:47:11
run/		Directory	2020-Jul-27 16:02:14
upload/		Directory	2020-Jul-27 16:02:14

Information

AddPac Technology
Model: GTR3000_G2

Description

Back up / Restore the setting of the system software and device

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•File Browser

- Directory list
- Change directory
- Upload file
- Download file

Miscellaneous View

GPS

The screenshot shows the 'Smart Web Manager' interface with the 'GPS' page selected. The left sidebar has a 'Miscellaneous' menu item highlighted with a red arrow. The main content area displays the following information:

```
show mobile gps-time

GPS INFORMATION

HARD SYNC

TIME is 1596069458.920000 = 2020-07-30T00:37:38.00Z

last update time is 1596069457
update period is 8.000000
hard sync count = 1197
soft sync count = 1207
hard sync lost = 7

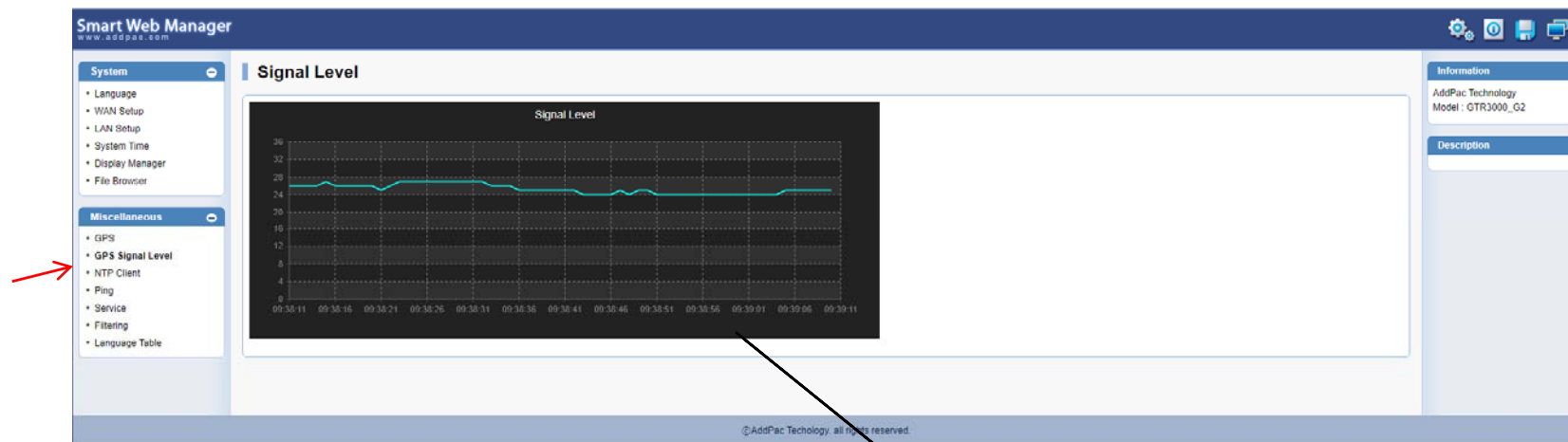
satellites = 19
latitude = 37.50
longitude = 127.04
SNR = 25 dB (12/19 satellites)
GPS = 27 dB (9/10 satellites)
GLONASS = 19 dB (3/9 satellites)
```

The right sidebar shows the 'Information' section with 'AddPac Technology' and 'Model : GTR3000_G2'.

- GPS Information Display
- GPS Time
- GPS Satellite Number
- GPS SNR Display (GPS, GLONASS)

Miscellaneous View

GPS Signal Level



•GPS Signal Level
-GPS SNR Signal Level Real-time Display

Miscellaneous View

NTP Client List

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System
• Language
• WAN Setup
• LAN Setup
• System Time
• Display Manager
• File Browser

Miscellaneous
• GPS
• GPS Signal Level
• **NTP Client**
• Ping
• Service
• Filtering
• Language Table

NTP Client

show ntp client

Total NTP Clients: (500 / 1024)

No	IPv4 Address	Ref-Count	Last Request Time
1	172.212.14.0	1	Thu Jul 30 00:43:02 2020
2	172.11.38.0	1	Thu Jul 30 00:43:17 2020
3	172.236.59.0	1	Thu Jul 30 00:43:08 2020
4	172.44.166.0	1	Thu Jul 30 00:42:56 2020
5	172.69.166.0	1	Thu Jul 30 00:43:10 2020
6	172.153.126.0	1	Thu Jul 30 00:43:19 2020
7	172.118.63.1	1	Thu Jul 30 00:43:00 2020
8	172.15.131.1	1	Thu Jul 30 00:43:11 2020
9	172.15.175.1	1	Thu Jul 30 00:43:02 2020
10	172.125.79.2	1	Thu Jul 30 00:43:18 2020
11	172.164.151.2	1	Thu Jul 30 00:43:06 2020
12	172.291.24.9	1	Thu Jul 30 00:43:04 2020
13	172.29.31.3	1	Thu Jul 30 00:43:07 2020
14	172.166.6.5	1	Thu Jul 30 00:43:07 2020
15	172.5.129.5	1	Thu Jul 30 00:43:10 2020
16	172.186.29.7	1	Thu Jul 30 00:43:08 2020
17	172.201.68.7	1	Thu Jul 30 00:43:06 2020
18	172.244.70.7	1	Thu Jul 30 00:43:04 2020
19	172.85.167.7	1	Thu Jul 30 00:43:19 2020
20	172.211.19.8	1	Thu Jul 30 00:43:06 2020
21	172.84.66.8	1	Thu Jul 30 00:43:18 2020
22	172.211.227.8	1	Thu Jul 30 00:43:11 2020
23	172.95.242.9	1	Thu Jul 30 00:43:02 2020
24	172.193.118.10	1	Thu Jul 30 00:42:47 2020
25	172.235.49.11	1	Thu Jul 30 00:42:59 2020
26	172.166.28.12	1	Thu Jul 30 00:43:11 2020
27	172.189.140.12	1	Thu Jul 30 00:43:08 2020
28	172.136.193.12	1	Thu Jul 30 00:43:09 2020
29	172.195.227.12	1	Thu Jul 30 00:43:15 2020
30	172.82.25.13	1	Thu Jul 30 00:43:16 2020
31	172.179.52.13	1	Thu Jul 30 00:42:58 2020
32	172.89.238.14	1	Thu Jul 30 00:42:58 2020
33	172.172.253.17	1	Thu Jul 30 00:42:58 2020
34	172.159.241.17	1	Thu Jul 30 00:43:00 2020
35	172.216.251.17	1	Thu Jul 30 00:43:09 2020
36	172.100.127.18	1	Thu Jul 30 00:42:58 2020
37	172.183.129.18	1	Thu Jul 30 00:43:01 2020
38	172.29.188.18	1	Thu Jul 30 00:43:00 2020
39	172.78.335.19	1	Thu Jul 30 00:43:13 2020
40	172.251.23.19	1	Thu Jul 30 00:42:58 2020
41	172.86.35.20	1	Thu Jul 30 00:43:16 2020
42	172.24.154.20	1	Thu Jul 30 00:42:58 2020
43	172.244.129.21	1	Thu Jul 30 00:43:11 2020
44	172.197.188.21	1	Thu Jul 30 00:43:06 2020
45	172.183.189.21	1	Thu Jul 30 00:43:07 2020
46	172.240.10.22	1	Thu Jul 30 00:42:59 2020
47	172.215.39.22	1	Thu Jul 30 00:42:59 2020
48	172.175.73.23	1	Thu Jul 30 00:43:10 2020
49	172.1.226.23	1	Thu Jul 30 00:43:11 2020
50	172.213.171.24	1	Thu Jul 30 00:43:13 2020
51	172.251.188.24	1	Thu Jul 30 00:43:08 2020
52	172.26.231.24	1	Thu Jul 30 00:43:13 2020
53	172.209.198.25	1	Thu Jul 30 00:43:02 2020

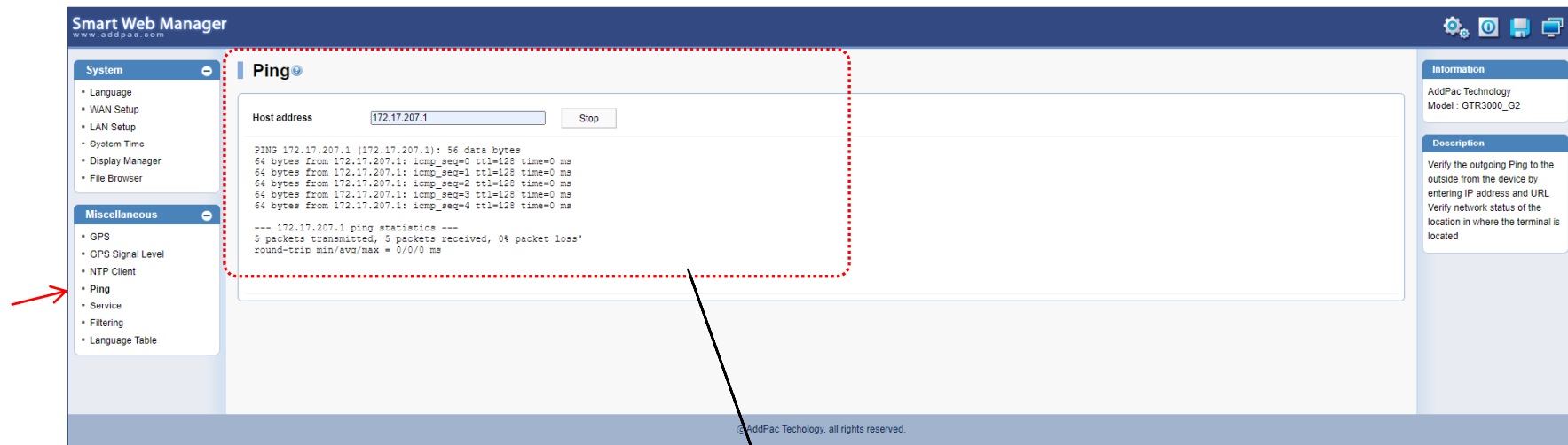
Information
AddPac Technology
Model: GTX3000_S2

Description

•NTP Client List
-NTP Client List Display
-NTP Client IP Address

Miscellaneous View

Ping



- Ping
 - Destination IP address
 - Ping Start Command

Miscellaneous View

Service

Smart Web Manager

System

- Language
- WAN Setup
- LAN Setup
- System Time
- Display Manager
- File Browser

Miscellaneous

- GPS
- GPS Signal Level
- NTP Client
- Ping
- Service
- Filtering
- Language Table

Service

FTP Server ☒ Enable ☐ Disable

Telnet Server ☒ Enable ☐ Disable

SSH Server ☒ Enable ☐ Disable

SNMP Server ☐ Enable ☒ Disable

SMTP Configuration

SMTP Server Address (A, B, C, D)

From Address (ex. from@addpac.com)

Authentication ☐ Use ☒ Unuse

Username

Password

LOG Configuration

Command Log ☒ Use ☐ Unuse

Event Log ☒ Use ☐ Unuse

Event Log Level

LOG Server Address (A, B, C, D)

Log To Email ☐ Use ☒ Unuse

Log Email Level

Log To Mail Address (ex. to@addpac.com)

Information

AddPac Technology
Model: GTR3000_G2

Description

Configure Service.

• Network Service

- FTP Server Service Enable/Disable
- Telnet Server Service Enable/Disable
- SSH Server Service Enable/Disable
- SNMP Server Service Enable/Disable

• SMTP Configuration

- SMTP Protocol Configuration for Email Service

• Log Configuration

- Command & Event Log Configuration

Miscellaneous View

Filtering

Smart Web Manager
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System

- Language
- WAN Setup
- LAN Setup
- System Time
- Display Manager
- File Browser

Miscellaneous

- GPS
- GPS Signal Level
- NTP Client
- Ping
- Service
- **Filtering**
- Language Table

Filter

FTP Filter

Network Addr	Network Mask	Control
172.17.207.1	255.255.255.255	Delete
<input type="text"/>	<input type="text"/>	Add

HTTP Filter

Network Addr	Network Mask	Control
172.17.207.1	255.255.255.255	Delete
<input type="text"/>	<input type="text"/>	Add

Telnet Filter

Network Addr	Network Mask	Control
172.17.207.1	255.255.255.255	Delete
<input type="text"/>	<input type="text"/>	Add

Information
AddPac Technology
Model : GTR3000_G2

Description
Enable or disable Telnet, HTTP, FTP and specify the access port and Call Hold/ Transfer and Timer.

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• Filtering Service

- FTP Server IP Access Filtering
- HTTP Server IP Access Filtering
- Telnet Server IP Access Filtering

Miscellaneous View

Language

Smart Web Manager
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System

- Language
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Miscellaneous

- GPS
- GPS Signal Level
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- Ping
- Service
- Filtering
- Language Table

Language Table

Edit User Language

Language [Etc] ✓ Read ✓ Write

Number	English Table	User Table
1	Yes	<input type="text"/>
2	No	<input type="text"/>
3	OK	<input type="text"/>
4	Cancel	<input type="text"/>
5	Continue	<input type="text"/>
6	Ignore	<input type="text"/>
7	Right Now	<input type="text"/>
8	Clear	<input type="text"/>
9	AM	<input type="text"/>
10	PM	<input type="text"/>
11	Timeout	<input type="text"/>
12	Invalid	<input type="text"/>
13	Message	<input type="text"/>
14	Information	<input type="text"/>
15	Fill the entry	<input type="text"/>
16	The entry is duplicated	<input type="text"/>
17	Today	<input type="text"/>
18	Start	<input type="text"/>
19	Stop	<input type="text"/>
20	Success	<input type="text"/>
21	Fail	<input type="text"/>
22	Pause	<input type="text"/>
23	Force	<input type="text"/>
24	Waiting	<input type="text"/>

Information

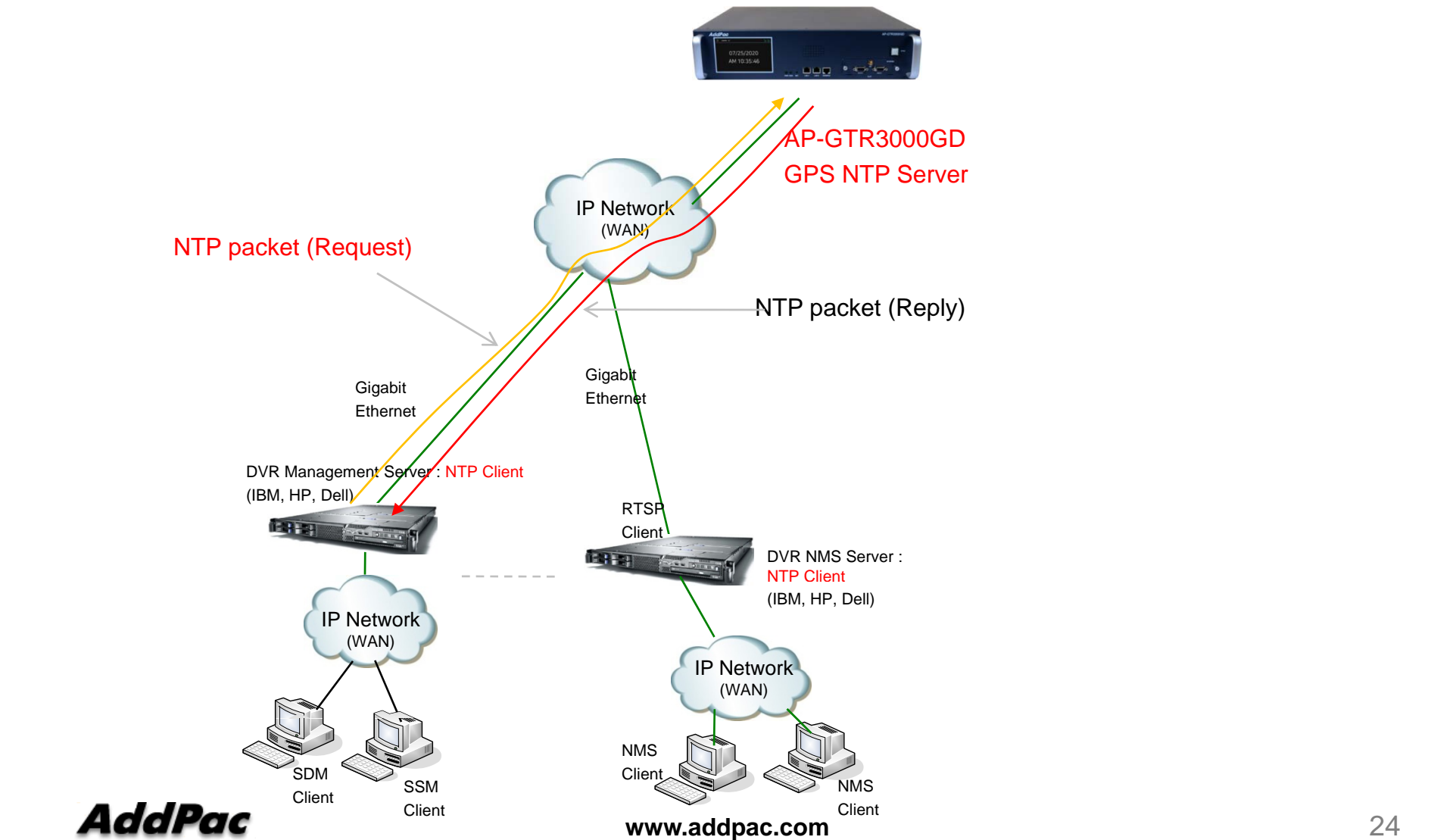
AddPac Technology
Model : GTR3000_G2

Description

Language setting in OSD.

• Language Conversion Table

SNTP (Simple Network Time Protocol)





Thank you!

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Sales and Marketing

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