

Hardware Specifications

Main Chassis	High Solidity Aluminum Steel Chassis
CPU	High Performance RISC + DSP (Digital Signal Processor)Integrated Processor
Memory	4MB Flash Memory 16MB SDRAM Main Memory
GPS interface	1-Port Antenna Interface for GPS 10m Antenna (Default), 20m Antenna (Option)
GPS LED	GPS Sync LED Display
GPS Time Display	7 Segment Real-time GPS Time Display Hour, Minute, Second
Network Interface	1-port 10/100Mbps Ethernet Interface(RJ45)
Console Interface	1-port RS232C Console Interface (RJ45) for CLI (Command Line Interface)
Front LED	Power LED, Run LED, LAN LED
Power ON/OFF Switch	Rear Side

Power and Operation Management

Operation Environment	Temperature 0°C to +50°C (32° to 122°F) (operating), -40°C to +85°C (-40° to 185°F) (storage), Humidity 5% ~ 95%
Power Supply	AC110~220VAC 50/60Hz Free Voltage, 5V 2Amp. 10Watt External Power Adaptor
Demension	28mm x 125mm x 90mm (H x W x D)
Weight	0.5Kg

GPS NTP Service Features

GNSS (Global Navigation Satellite System) Service	GPS(USA), QZSS (Japan, Australia), SBAS GLONASS (Russia), Beidou (China)
Default GNSS	GPS, GLOBASS
Receiver Frequency Channels	Dual Frequency Support Concurrently Maximum 72 Channel
Default GNSS	GPS, GLOBASS
GPS Antenna	Passive, Active GPS Antenna Support
GPS Performance	Advanced RF Technology and Immune Interference
Maximum Update Rate	10Hz
Accuracy of Time Pulse	30ns~60ns
IP Time Sync. Protocol	NTP (Network Time Protocol) Support

WAN, IP Routing and Other Features

WAN Protocol	Point-to-Point Protocol (PPPoE) for ADSL
IP Routing	IPv4 Static and IEEE 802.1Q VLAN Routing
Other Features	DHCP Server and Relay, NAT/PAT, IEEE Standard Transparent Bridging (Spanning Tree Bridging and Concurrent Routing Bridging Protocol), NTP, Cisco Style Command Line Interface (CLI), DNS Proxy, MAC Address Filter Service DNS Proxy, VLAN, DNS Update Feature, etc.

Operation and Management Features

Network Management	Standard SNMP Agent (MIB v2) Support, Telnet, Command Line Interface via Telnet (Public, Private IP Support), Web Based Management (Network, H.323, SIP, etc) Remote Firmware (APOS) Upgrade via FTP/TFTP Support.
Operation & Management	Performance Analyzing (Process, CPU, Interface), Configuration Backup and Restore for APOS Management, Debugging and Diagnosis Features, System Booting/Rebooting through Watch-Dog, Data Logging Features, IP Traffic Statistics through Accounting Support
Security Features	IP Packet Filtering, Access List, Access Control and Data Protections, Enable/Disable for Specific Protocols Multi-level User Account Management, Auto-disconnect for Telnet/Console Sessions, PPP User Authentication Support (PAP/CHAP)

Enhanced Security Protocol

HTTP Security	Support HTTPS Support WebSocket Support PHP/FastCGI
Secure Shell	SSH : Secure Shell
TCP MD5	Support RFC2385 TCP MD5 Signatures
Password Security	Password Policy Enhancement System Lock

GPS, LED, Network Interface of AP-GTR250



1. Power, Run LED
2. GPS LED
3. LAN LED
4. 10/100M LAN(RJ45) Interface
5. RS232C Console (RJ45) Interface
6. GPS Antenna Connector
7. GPS Time Display LEDs
8. Power Switch
9. External Power Input
10. GPS Antenna (Default : 10m)

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