

## RTR-500 Series - Specifications

Base Unit		
	RTR-500GSM	RTR-500NW / RTR-500AW
Compatible Devices	Remote Units: RTR-501 / 502 / 503 / 505-TC / 505-Pt ( Including L Type ) Repeater: RTR-500	Remote Units: RTR-501 / 502 / 503 / 507 / 574 / 576 / 505-TC / 505-Pt / 505-V / 505-mA / 505-P ( Including L Type and H Type ) Repeater: RTR-500
Maximum Number of Registrations	Remote Units: 20 units Repeaters: 5 units x 4 groups	Remote Units: 100 units Repeaters: 10 units x 10 groups
Communication Interfaces	<p>&lt;Between Base Unit(s) - ( Repeaters ) - Remote Unit(s)&gt;                      - Wireless Communication ( short range radio communication )                      FCC Part15 Section247 / IC RSS-210 ( Frequency Range: 902 to 928 MHz, RF Power: 7 mW )                      ETSI EN 300 220 ( Frequency Range: 869.7 to 870 MHz, RF Power: 5 mW )</p> <p>&lt;Between Base Unit - PC&gt;                      - USB Communication ( For Setup )</p>	<p>&lt;Between Base Unit(s) - ( Repeaters ) - Remote Unit(s)&gt;                      - Wireless Communication ( short range radio communication )                      FCC Part15 Section247 / IC RSS-210 ( Frequency Range: 902 to 928 MHz, RF Power: 7 mW )                      ETSI EN 300 220 ( Frequency Range: 869.7 to 870 MHz, RF Power: 5 mW )                      - Optical Communication ( proprietary protocol )                      ( With compatible Remote Units except RTR-574 and RTR-576 )</p> <p>&lt;Between Base Unit - PC&gt;                      - RTR-500NW: Wired LAN                      RJ45 Connector 100 Base-TX / 10 Base-T AutoMDI / MDI-X                      - RTR-500AW: Wireless LAN                      Internal wireless LAN antenna, IEEE 802.11b / g                      WEP ( 64 bit / 128 bit ) / WPA-TKIP / WPA2 - AES                      - USB Communication ( For Setup )</p>
Wireless Transmission Range	Approx. 150 meters (500 ft) if direct and unobstructed	Approx. 150 meters (500 ft) if direct and unobstructed
External Alarm Input/Output Terminal (*1)	<p>&lt;Input Terminal&gt;                      Internal Pull-up: 3 V 100 kΩ                      Maximum Input Voltage: 30 V</p> <p>&lt;Output Terminal&gt;                      Voltage when OFF: DC 30 V or less                      Current when ON: 0.1 A or less                      Resistance when ON: 15 Ω</p>	<p>&lt;Input Terminal&gt;                      Internal Pull-up: 3 V 100 kΩ                      Maximum Input Voltage: 30 V</p> <p>&lt; Output Terminal &gt;                      Voltage when OFF: AC / DC 50 V or less                      Current when ON: 0.1 A or less                      Resistance when ON: 35 Ω</p>
Communications Protocol	SMTP (POP before SMTP, SMTP-AUTH <LOGIN>), FTP, SMS (*2)	SMTP ( POP before SMTP, SMTP-AUTH <LOGIN>), FTP, SNMP, DHCP, DNS
Power	AA Alkaline Battery ( LR6 ) x 4 AC Adaptor ( AD-0605 or AD-05C1 ) ( 5V, 2A ) External Power Supply ( DC8 - 34V )	AC Adaptor ( AD-0638 or AD-0638-C )
Battery Life (*3)	Expected battery life with only AA alkaline batteries: Approx. 10 days ( with warning report settings ON, without using GPS )	-
Dimensions	H 96 mm x W 66 mm x D 39 mm ( excluding antenna ) Antenna Length: 109 mm	H 83 mm x W 102 mm x D 28 mm ( excluding antenna ) Antenna Length: 87.3 mm
Weight	Approx. 220 g ( including batteries )	RTR-500NW: Approx. 130 g RTR-500AW: Approx. 120 g
Operating Environment	Temperature: 10 to 55 °C ( -10 to 55 °C with external power connected ) Humidity: 90 %RH or less ( no condensation )	Temperature: -10 to 60 °C Humidity: 90 %RH or less ( no condensation )
Accessories	AA Alkaline Battery ( LR6 ) x 4, Antenna x 2, USB Communication Cable ( US-15C ), External Power Cable ( BC-0201 ), Software ( CD-ROM ), Introductory Manual Set ( Warranty Included )	Antenna, USB Communication Cable ( US-15C ), LAN Cable ( LN-20W, only for RTR-500NW ), AC Adaptor ( AD-0638 or AD-0638-C ), Software ( CD-ROM ), Introductory Manual Set ( Warranty Included )
GPS Interface (*4)	Connector: Mini DIN 6 Pin Female Communication Standard: ANSI / EIA / TIA-232-E Geographic Coordinate System: WGS 84 Power Supply: 5 V MAX 100 mA	-
SIM Card (*2) (*5)	SIM card compatible with GSM ( Standard size ) US: GSM 850 MHz 1900 MHz EU: GSM 900 MHz 1800 MHz GPRS ( General Packet Radio Service ) enabled	-
Compatible OS (*6) (*7)	<p>&lt;for US&gt;                      Microsoft Windows 8 32 / 64 bit English, Spanish                      Microsoft Windows 7 32 / 64 bit English, Spanish                      Microsoft Windows Vista 32 bit ( SP1 or later ) English, Spanish                      Microsoft Windows XP 32 bit ( SP3 or later ) English, Spanish</p> <p>&lt;for EU&gt;                      Microsoft Windows 8 32 / 64 bit English, Spanish, French, German, Italian                      Microsoft Windows 7 32 / 64 bit English, Spanish, French, German, Italian                      Microsoft Windows Vista 32 bit ( SP1 or later ) English, Spanish, French, German, Italian                      Microsoft Windows XP 32 bit ( SP3 or later ) English, Spanish, French, German, Italian</p>	<p>&lt;for US&gt;                      Microsoft Windows 8 32 / 64 bit English, Spanish                      Microsoft Windows 7 32 / 64 bit English, Spanish                      Microsoft Windows Vista 32 bit ( SP1 or later ) English, Spanish                      Microsoft Windows XP 32 bit ( SP3 or later ) English, Spanish</p> <p>&lt;for EU&gt;                      Microsoft Windows 8 32 / 64 bit English, Spanish, French, German, Italian                      Microsoft Windows 7 32 / 64 bit English, Spanish, French, German, Italian                      Microsoft Windows Vista 32 bit ( SP1 or later ) English, Spanish, French, German, Italian                      Microsoft Windows XP 32 bit ( SP3 or later ) English, Spanish, French, German, Italian</p>

\*1: In order to use the external alarm terminal for RTR-500GSM, please prepare a compatible connector: JST PAP-04V-S.

\*2: SMS is required for some functions of the RTR-500GSM. If SMS is necessary, make sure that the contract you have with your carrier includes this service.

\*3: Battery life varies depending upon the number of warning reports sent, the ambient temperature in which it is used, the frequency of communication, and the battery performance. All estimates are based on operations carried out with a new battery and are in no way a guarantee of actual battery life.

\*4: In order to use the GPS function (attach geographical positioning info to current readings data), please purchase a compatible GPS receiver: GlobalSat BR-355. For all inquiries and questions concerning sales of the product, please directly contact GlobalSat at (<http://www.globalsat.com.tw>).

\*5: Please prepare a contracted SIM card separately.

\*6: For installation, it is necessary to have Administrator ( Computer Administrator ) rights.

\*7: If you are using Windows 8, please note that our software is designed to be used in "Desktop" mode only.

The specifications listed above are subject to change without notice.