

Extending the reach of your wireless network into harsh environments....



✓ Voice

✓ Fax

✓ Broadband

✓ Wireless LAN

✓ GPS

Ruggedised weatherproof voice and data access platform

The Calyptech RWG-200 is the ideal solution to access 3G wireless voice and broadband data services for customers that need a ruggedised and weatherproof wireless access solution.

Using the RWG-200 connected to the wireless network infrastructure, your customers can experience an outstanding level of service and performance.

The Calyptech RWG-200 is a flexible, modular architecture that can be tailored to your needs, with Telephone, Fax, Wi-Fi, GPS and LAN interfaces, it offers a fully integrated gateway solution for the wireless network.

"A flexible platform that cost effectively delivers voice, data and GPS services in hostile environments"

The RWG-200 connects customers who require voice/data services in hostile environments to the 3G wireless network infrastructure. The RWG-200 is the ideal solution for outdoor, vehicular, desert, polar and marine environments where a robust and weatherproof access gateway element is required to connect to the wireless network.

Offering Telephone, Fax, Broadband LAN and Wi-Fi (802.11b/g) interfaces, the RWG-200 becomes a standalone gateway to the services offered by wireless GSM and 3G network infrastructures. The RWG-200 also offers GPS feature; giving added flexibility for mobile installations and vehicle tracking.

Multiple RWG-200 units may be managed using a central server (TR-069 WAN Management Protocol), offering automatic software upgrade, with alarm and monitoring facilities.

The RWG-200 is the complete solution for ruggedised deployments requiring voice/data and GPS services

Features

- Tri-band WCDMA 850/1900/2100
- Quad-band GSM 850/900/1800/1900 (optional)
- HSDPA, categories 6, 8 and 12, up to 7.2 Mbps (downlink); HSUPA categories 3, 5 and 6, up to 2 Mbps (uplink)
- Wi-Fi 802.11 b/g
- Separate Telephone and Fax interfaces, 5 REN
- Single port Telephone and Fax interface (optional)
- Power Over Ethernet (RJ45), or separate power input
- Antenna diversity
- Short Messaging Service (SMS)
- Facsimile Group 3, 9.6 kbps, 14.4 kbps
- Single Port Ethernet Switch (RJ45)
- Software auto update
- Remote Management capability
- Flexible Modular architecture that can be tailored to applications including telemetry
- Provision for external antenna connection
- Router, Network Address Translation
- TR-069 CPE WAN Management protocol support



Technical Specification Summary

General

Dimension (H x W x D):	43mm x 200 mm x 140mm
Weight:	1360g
Unit power input:	12VDC (nominal) (10-16VDC)
Power consumption:	8 W (average)
Enclosure:	Extruded aluminum (Black or metallic options)
Operating Temperature:	-10°C to +60°C
Operating humidity:	5 to 95%
Storage Temperature:	-45°C to +85°C
Storage humidity:	10 to 100%
SIM-card:	Standard USIM, 3V

Compliance

AS/ACIF S003:2005	Two wire ring-out/loop in
AS/ACIF S004:2004	Voice Frequency performance requirement for Customer Equipment
ITU-T K.20:2003	Resistibility of Telecommunications Equipment Installed in a Telecommunications Centre to Over-voltages and Over-currents
ITU-T K.21:2003	Resistibility of Telecommunications Equipment Installed in Customer Premises to Over-voltages and Over-currents
AS/NZS 60950.1:2003	Information technology equipment – safety, part 1 – general requirements
AS/NZS CISPR 22:2004	Information technology equipment – Radiation disturbance characteristics – limits and methods of measurement

Standard Product Kit

- RWG-200 Unit
- Wi-Fi Antenna
- 850Mhz WCDMA Antenna
- AC Power Adapter (240V/50Hz)
- Installation Guide
- User Guide

Accessories/Options

- Outdoor directional antenna (Yagi)
- Outdoor standard antenna
- GPS Antenna
- Pole-top and wall-mount fittings
- DC Adapter 10V—36V
- DC Battery pack

Applications



Wireless Network

✓ Security/Surveillance



✓ Wi-Fi



✓ Printer Server



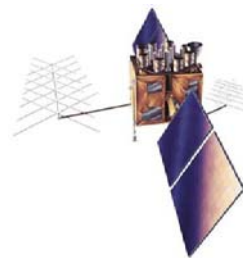
✓ Telephone



✓ Broadband



✓ Fax



✓ GPS

Installation Configurations



√ Side of home



√ Mast

True Landline Replacement

The Calyptech RWG-200 can be used to directly drive the telephone wiring in the customer's home, offering the opportunity for a seamless transition to fixed wireless services. There is no need to disturb the customer's wiring, or their internal equipment.

Wireless Hotspot

The RWG-200 can be configured as a wireless hotspot. Together with an optional battery pack, the RWG-200 can be setup for events such as exhibitions, or special events; and offers customers a fast path to internet connectivity, in more remote or hard to reach situations.

While every effort has been made to ensure the accuracy of the information contained in this document, Calyptech Pty. Ltd. accepts no responsibility for errors or omissions. Calyptech Pty. Ltd. reserves the right to make changes to product features and specifications without notice.