



# EWM1000

Advanced 3G Modem  
for Smart Metering Applications



# EWM1000



Cell Series - 2G/2.5G/3G



## Seamless Network Transition

Utilising the latest 3G chipset from Sierra Wireless, the EWM1000 is a robust HSDPA modem specially developed for the smart metering market. The EWM1000 is designed for highly reliable machine-to-machine communications, with low standby power consumption.



## Key Features



### 2G Transition Ready

2G/3G communications ensures a seamless transition to 3G as 2G networks are gradually switched off.



### Reliable Fallback Communications

Resolve packet-based communications issues using Circuit Switched Data (CSD) capability with an enabled SIM.



### Fleet Management

Sierra Wireless AirVantage compatibility allows for simple and effective fleet management.



### Firmware Over the Air

Sierra Wireless firmware upgrade over-the-air service provided at no cost. Local data charges may still apply.

# Specifications



## Standards and Compliance

### CE Certified

Suitable for sale in the European Economic Area

### RCM Certified

Suitable for sale in Australia and New Zealand

### Vodafone Approved

Acceptable for use on all Vodafone and partner networks

### RoHS Compliant

Restriction of Hazardous Substances directive compliant

**Frequency Bands** 2G/2.5G/3G  
Quadband GSM/GPRS/EDGE: 850/900/1800/1900 MHz  
Pentaband UMTS/HSDPA: 800/850/900/1900/2100 MHz

**Data Rates**  
HSPA: 5.76Mbps UL/7.2Mbps DL  
UMTS: 384kbps UL/DL  
EDGE: 236.8kbps UL/296kbps DL  
GPRS: 85.6kbps UL/107kbps DL  
CSD: 64kbps UL/DL

**RF Power (max.)**  
Class 4 GSM 850/900 MHz (2W)  
Class 1 GSM 1800/1900 MHz (1W)  
Class 3 UMTS 800/850/900/2100 MHz (0.3W)

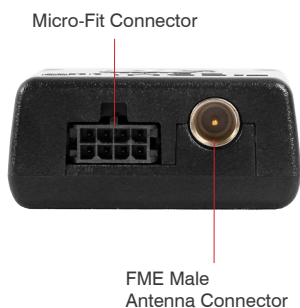
**Electrical**  
Supply voltage: 4.75V - 32V DC  
Power consumption (standby): 0.2W  
Power consumption (typical): 2.3W(2G), 3.45W(3G)

**Interface**  
Antenna: FME male connector  
Micro-Fit™ 8-pin data cable connector  
LED status indicator  
Mini SIM (2FF): 3V/1.8V  
Control via AT commands according to 3GPP TS27.005, 27.007 and customized Sierra Wireless AT commands

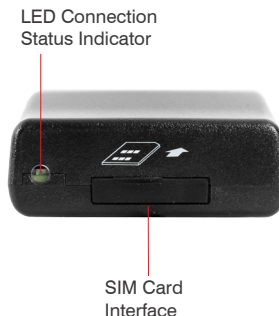
**Module**  
Sierra Wireless: HL8548

**Environmental**  
Specified operating range: -30°C to +75°C  
Storage range limit: -40°C to +80°C  
Relative humidity: Up to 95% non-condensing for 10 days

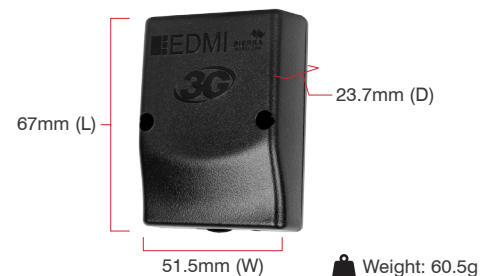
Modem Top View



Modem Bottom View



Dimensions



Modem Details

Terminal Cover Mounts





## HEADQUARTERS (SINGAPORE)

### EDMI LIMITED

47 Yishun Industrial Park A, Singapore 768724

☎ (65) 6756 2938

✉ sales-singapore@edmi-meters.com

### INDONESIA (JAKARTA)

#### PT EDM I INDONESIA

Rukan Tendean Square No. 8  
Jl. Wolter Monginsidi 122-124  
Jakarta 12170, Indonesia

☎ (62) 21 7278 0868

✉ sales-indonesia@edmi-meters.com

### MALAYSIA (KUALA LUMPUR)

#### EDMI METERS SDN BHD

Suite G-1A, Ground Floor, N-Tatt Building  
No. 2 Jln TP 5, Taman Perindustrian UEP  
47600 Subang Jaya, Selangor, Malaysia

☎ (60) 3 8023 6317

✉ sales-malaysia@edmi-meters.com

### PHILIPPINES (MANILA)

#### EDMI PHILIPPINES INC

2/F Mirax Building  
2270 Chino Roces Avenue Extension  
Makati City 1231, Philippines

☎ (63) 2 757 1217 to 19

✉ sales-philippines@edmi-meters.com

### INDIA (CHENNAI)

#### EDMI INDIA PVT. LTD.

(formerly Wallaby Metering Systems  
Pvt Ltd.)  
M-3, 9th Street  
Dr. VSI Estate, Thiruvanniyur  
600041 Chennai, India

☎ (91) 44 4225 1600

✉ sales-india@edmi-meters.com

### CHINA (SHENZHEN)

#### EDMI (SHENZHEN) CO, LTD

Floor 5, Building 5  
Zhong Yuntai Industrial Park  
Tang Tou 1st Road, Shi Yan  
Bao An, Shenzhen  
GuangDong 518108, P.R. China

☎ (86) 755 2675 5788

✉ sales-chinaSZ@edmi-meters.com

### CHINA (SHANGHAI)

#### EDMI INTERNATIONAL TRADING (SHANGHAI) CO, LTD

Room 1111, Tower A  
Cao He Jing High Tech Building  
900 Yishan Road  
Shanghai 200233, P.R. China

☎ (86) 21 5423 4452

✉ sales-chinaSH@edmi-meters.com

### JAPAN (TOKYO)

#### EDMI JAPAN CO, LTD

2-1-10 Higashi-Gotanda  
Shinagawa-ku, Tokyo  
141-0022, Japan

☎ (81) 3 3445 2033

✉ sales-japan@edmi-meters.com

### VIETNAM (HO CHI MINH)

#### EDMI VIETNAM CO LTD

27 Dao Duy Anh Street,  
Ward 9, Phu Nhuan District,  
Ho Chi Minh City, Vietnam

☎ (84) 8 3842 2413

✉ sales-vietnam@edmi-meters.com

### THAILAND (BANGKOK)

#### EDMI (THAILAND) LIMITED

61/1 Pattanakarn Road,  
Soi 54 Suan Luang  
Bangkok 10250, Thailand

☎ (66) 2 320 0462

✉ sales-thailand@edmi-meters.com

### AUSTRALIA (BRISBANE)

#### EDMI PTY LTD

Level 7, 51 Alfred Street  
Fortitude Valley, Queensland  
Australia 4006

☎ (61) 7 3881 6466

✉ sales-australia@edmi-meters.com

### AUSTRALIA (MELBOURNE)

#### EDMI GAS PTY LTD

7 Fowler Road  
Dandenong South, Victoria  
3175, Australia

☎ (61) 3 9794 6000

✉ gassales-australia@edmi-meters.com

### NEW ZEALAND (WELLINGTON)

#### EDMI NZ LTD

Level 1, 181 Wakefield St  
Wellington 6011  
New Zealand

☎ (64) 4 801 4700

✉ sales-newzealand@edmi-meters.com

### UNITED KINGDOM (NEWCASTLE)

#### EDMI EUROPE LIMITED

The Grainger Suite  
Dobson House, Regent Centre  
Newcastle upon Tyne  
NE3 3PF, United Kingdom

☎ (44) 191 233 6322

✉ sales-europe@edmi-meters.com

### COLOMBIA (BOGOTA)

#### EDMI LATIN AMERICA SAS

Carrera 13 No. 96-67 Edificio  
Akori Oficina 207,  
Bogota, Colombia

☎ (57) 1 601 8960

✉ sales-america@edmi-meters.com

