



EM911[®] Extreme II is one of the best innovations of designing Wireless WAN Cellular Router with highest performance in which that can install 2 cellular modules simultaneously both GSM and CDMA Family. The EM911 Extreme II is able to support the connection of the 2 modules via 3 SIM Card which is provided by different mobile operator and an intellectual design of **iConneXt**, exclusive distributed by EMBES. **iConneXt** is especially built with an ability to combine Bandwidth of two connections from Wireless WAN Cellular Router into very high speed one connection. Therefore, the connection will become more powerful and the throughput can be up to 480 kbps (240 kbps*2) with EDGE network, 80 kbps (40 kbps*2) with GPRS network, and 306 kbps (153 kbps*2) with CDMA 1XRTT network. However, the two connections of the bandwidth must be provided by the same mobile operator and the speed mentioned above will be relying on the mobile operator's resource. Also the application that will be used should be Web Application that has load sharing in the aspect of multi task or multi user in order to maximize its work powerful performance

EM911[®] Extreme II

More than Wireless Wan Cellular Router

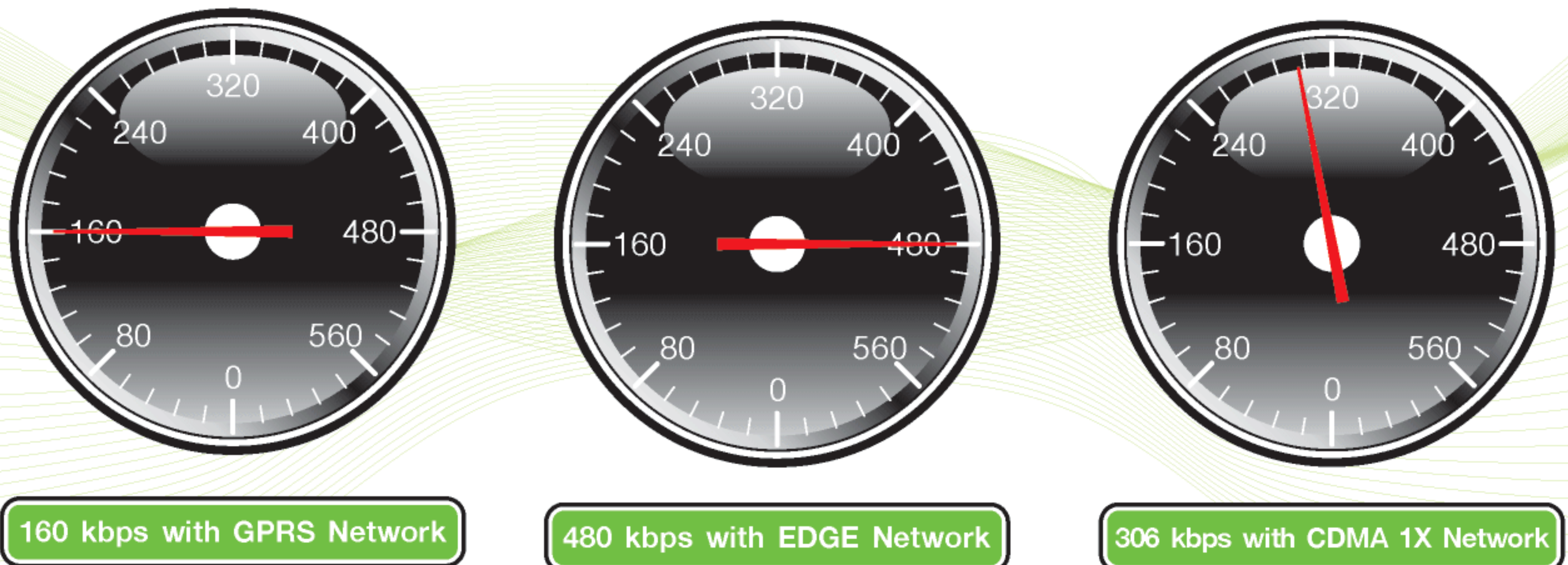


Figure 1. Display of the speed in kbps of EDGE, GPRS and CDMA 1XRTT

Rather than an impressive speed of data rates, **iConneXt** can also switch work mode to Load Balancing Policy by separating two connections line for two differentiate networks for backup each other and the Load Balancing mode is operated with FULL Redundancy Network Policy which means you would reduce the percentage of downtime as much as possible in designing and managing your network. However, FULL Redundancy Network Policy depends on which Protocol you select in major factor, for instance if you choose to use NAT Protocol with **iConneXt**, the switching between the two networks can be completed in only 1-2 seconds. Other type of Protocol involves creating Tunnel or Data Encryption resulting in high security such as GRE Tunnel or IPsec which would consider one significant factor, Host Network. Its role is to collaboration the work with **iConneXt** and it needs to be flexible in order to switch between the two networks with shortest time, normally between 10-15 seconds.

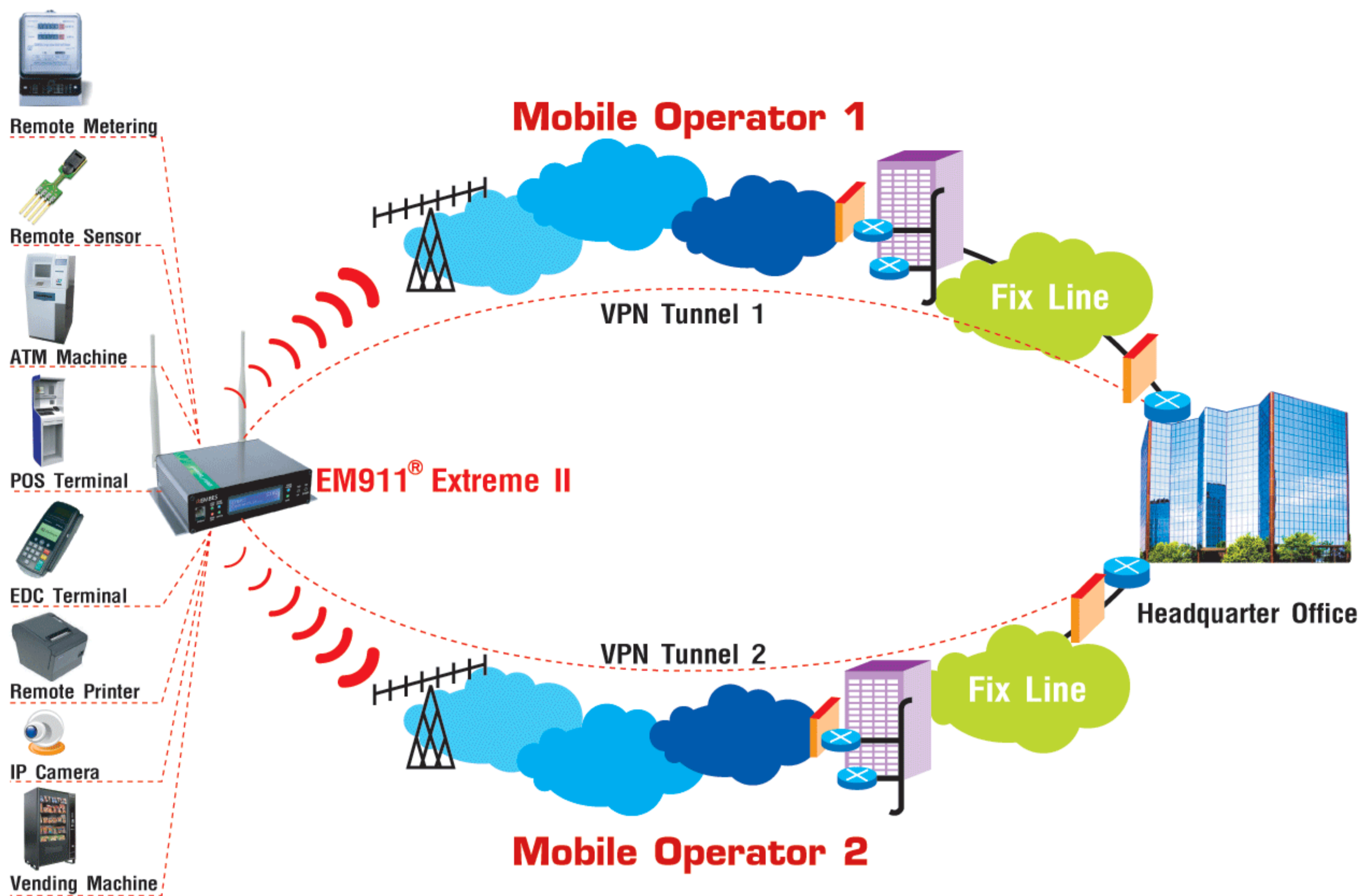


Figure 2. Redundancy Network with two Cellular Modules and two differentiate networks

As for Port Interface, EM911 Extreme II's strength is the provision of two LAN ports which enable to divide Segment for increase the level of security of your data. In addition, you can benefit from LAN Port #2 by connecting with Wireline Network such as xDSL and Satellite. This can be easily accommodated because **iConneXt** will choose which network suits your network the best.

You can easily configure individual devices through Standard web based configuration and many devices through **iConneXt Manager**, intelligent remote device management software that provides easy setup, configuration, reporting and monitoring for large installations. Also, you can proactively monitor for problem devices including excessive data usage, signal strange problem and upgrade thousand devices easily.

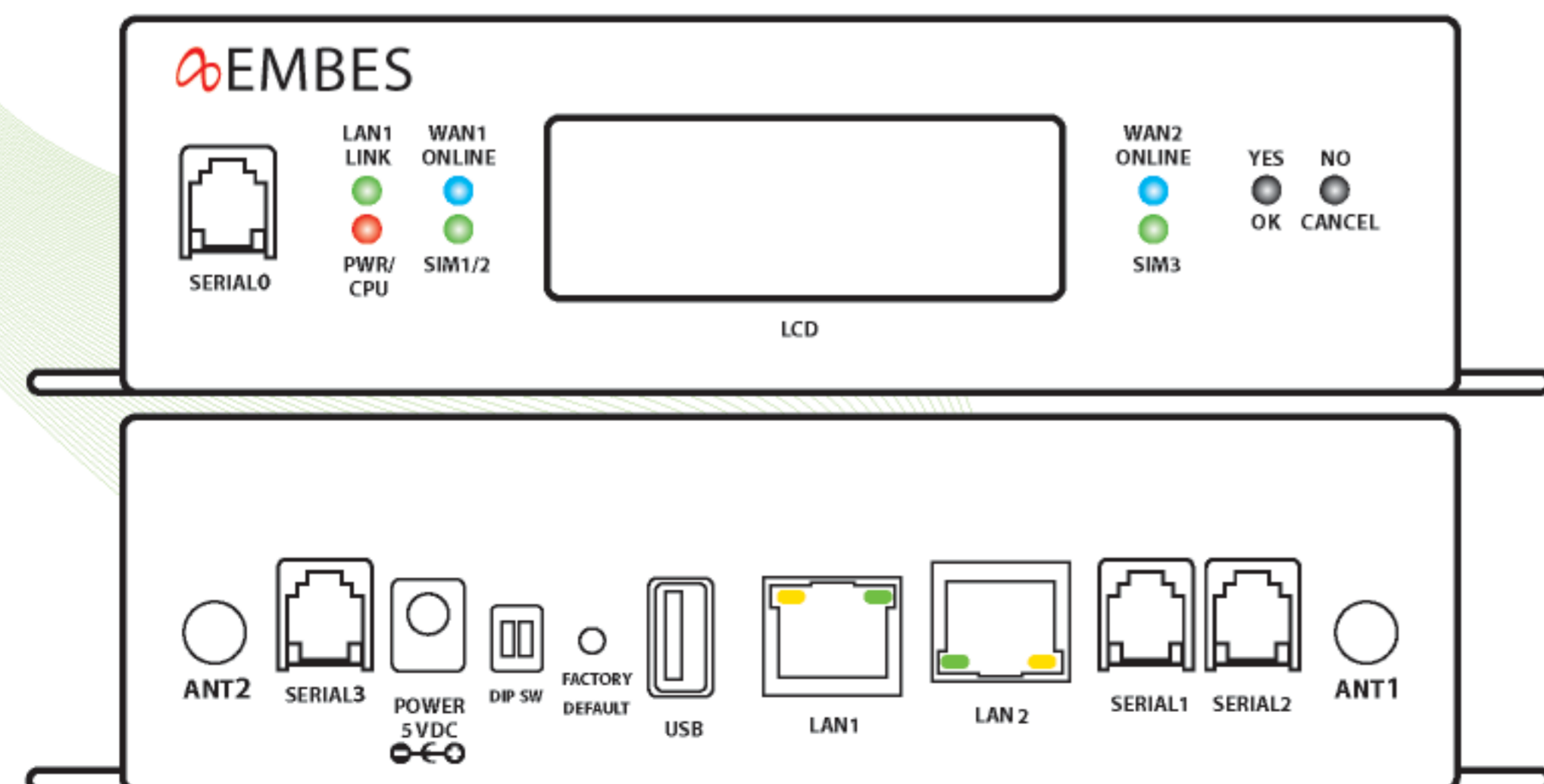
EM911[®] Extreme II can achieve other abilities and qualities according to regular standard for high performance Router. The hardware based has designed on embedded system rules that use low power consumption and industrial design so that can be used in the extreme environment including the software design that concerns data security certified by nationwide standard while still maintaining its flexibility during performance. Therefore, you can benefit from EM911[®] Extreme II and **iConneXt** to use with the wide range of applications that use Ethernet Protocol and also Serial Protocol in a form of Serial Server. Some of the examples are ATM Machine, EDC Terminal, Data Logger, Data Transferring between Headquarter and Branch, Retail/POS sites, remote printer, new construction locations, temporary office, industrial automation, traffic management, medical, video surveillance, vending machine and much more.

As a conclusion, **EM911 Extreme II's** and **iConneXt** intelligence can generate new vision to help you decide and choose Wireless WAN Cellular Network that is fully qualified with stability, data security, speed, and high flexibility. Today, you can be confident selecting Wireless WAN Cellular Network as your primary network and backup simultaneously in the same piece of equipment.

Hardware Feature	EM911® Extreme II GSM		EM911® Extreme II CDMA		EM911® Extreme II GSM/GSM			EM911® Extreme II GSM/CDMA		
	911EXIIG0-C1S0E0	911EXIIG0-C0S1E0	911EXIIC0-C1S0E0	911EXIIC0-C0S1E0	911EXIIGG-C1S0E0	911EXIIGG-C0S1E0	911EXIIGG-C0S0E2	911EXIIGC-C1S0E0	911EXIIGC-C0S1E0	911EXIIGC-C0S0E2
CPU clock	100 MHz	100 MHz	100 MHz	100 MHz	100 MHz	100 MHz	100 MHz	100 MHz	100 MHz	100 MHz
Ethernet 10/100 Port #1	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓
Ethernet 10/100 Port #2	OPTION	OPTION	OPTION	OPTION	N/A	N/A	✓	N/A	N/A	✓
USB port	1	1	1	1	1	1	1	1	1	1
SIM socket	2	2	2	2	3	3	3	3	3	3
Console Port	1	OPTION	1	OPTION	1	N/A	N/A	1	N/A	N/A
Serial Port 1	OPTION	1	OPTION	1	N/A	1	N/A	N/A	1	N/A
Serial Port 2	N/A	OPTION	N/A	OPTION	N/A	N/A	N/A	N/A	N/A	N/A
GSM GPRS Class 12, EDGE Class 10	1	1	-	-	2	2	2	1	1	1
CDMA 2000 1XRTT	-	-	1	1	-	-	-	1	1	1
Option Available	available only 1 option		available only 1 option		no option available			no option available		
Software Feature and Protocols Supported										
DHCP	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓
NAT Static and Dynamic	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓
TCP Port Forwarding	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓
Dynamic Routing (RIPv2 and OSPF)	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓
IPIP/GRE Tunneling	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓
Multiple Tunnel	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓
IPSec	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓
IPSec Key Management	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓
Management and Configuration										
iConneXt	-	-	-	-	✓	✓	✓	✓	✓	✓
Web based configuration	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓
Command Line	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓
SNMP V1, V2	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓

Standard Specification

- ▶ 1 or 2 External 50 Ohm SMA Connector
- ▶ Standard Antenna L-Type 3 dBi gain (optional : high gain 9 and 14 dBi)
- ▶ Operation Temperature -25°C to +70°C
- ▶ Storage Temperature -45°C to +90°C
- ▶ AC Adapter 5V 3A
- ▶ Dimension (WxDxH) 190x126x46 mm.
- ▶ Weight 850 g.



Wireless Carrier Specification and Certification

GSM GPRS/EDGE

- 900/1800 MHz
- GPRS Throughput up to 40 kbps
- EDGE Throughput up to 240 kbps
- CE0682, European Parliament Radio Equipment
- UL 60950, for electrical safety
- FCC Part 22 and Part 24
- Canadian RSS133

CDMA 2000_1XRTT

- Dual Band 800/1900 MHz
- Throughput up to 153 kbps
- ISA950, for electrical safety
- UL 60950, for electrical safety
- FCC Part 15B for power supply
- FCC Part 22 (800 MHz), Part 24 (1900 MHz)
- Canadian IC-133

Order Information

Model	Part Number
EM911 Extreme II with 1 GSM, 2 SIM Socket, 1 USB, 1 Console	911EXIIG0-C1S0E0
EM911 Extreme II with 1 GSM, 2 SIM Socket, 1 USB, 1 Serial	911EXIIG0-C0S1E0
EM911 Extreme II with 1 CDMA 1X, 2 SIM Socket, 1 USB, 1 Console	911EXIIC0-C1S0E0
EM911 Extreme II with 1 CDMA 1X, 2 SIM Socket, 1 USB, 1 Serial	911EXIIC0-C0S1E0
EM911 Extreme II with 2 GSM, 3 SIM Socket, 1 USB, 1 Console	911EXIIGG-C1S0E0
EM911 Extreme II with 2 GSM, 3 SIM Socket, 1 USB, 1 Serial	911EXIIGG-C0S1E0
EM911 Extreme II with 2 GSM, 3 SIM Socket, 1 USB, Ethernet Port #2	911EXIIGG-C0S0E2
EM911 Extreme II with 1 GSM, 1 CDMA 1X, 3 SIM Socket, 1 USB, 1 Console	911EXIIGC-C1S0E0
EM911 Extreme II with 1 GSM, 1 CDMA 1X, 3 SIM Socket, 1 USB, 1 Serial	911EXIIGC-C0S1E0
EM911 Extreme II with 1 GSM, 1 CDMA 1X, 3 SIM Socket, 1 USB, Ethernet Port #2	911EXIIGC-C0S0E2
Option	
Ethernet 10/100 Port #2	E2
RS232 Port	S2