4G LTE router LR77 v2 provides wireless connection of equipment and devices via Ethernet 10/100 or serial interfaces to the Internet or intranet. 4G router LR77 v2 is ideal for transferring large data loads. With LTE its ultra fast data transfer speed reaches up to 100 Mbit/s download and up to 50 Mbit/s upload. The LR77 v2 series is an ideal wireless solution for traffic and security camera systems, individual computers, LAN networks, automatic teller machines (ATM) and other self-service terminals, etc. This extra fast 4G LR77 v2 wireless router is equipped with one Ethernet

10/100, one USB Host port, one binary input/output (I/O) port and one SIM card. To save and backup communication data, a version with 2 x SIM cards is available. A wide range of user-defined interface options further expands optional Port1 and Port2. Port1 is available as an Ethernet port 10/100, serial interface ports RS232/RS485/RS422/M-Bus/WiFi or (I/O - CNT). Port2 may be equipped with serial interfaces RS232/RS485/RS422/M-Bus or (I/O - CNT). Another option is inserting a XC-SW board to provide 3 x switched Ethernet 10/100 ports. Routers are available in either plastic or metal casings. FULL version of the router is equipped with GPS.

Configuration is done via web interface protected by password. The 4G LTE router supports creation of VPN tunnels using IPsec, OpenVPN and L2TP to ensure safe communications. Web interface provides detailed statistics about router activities, signal strength, detailed log, etc. Supports functions: DHCP, NAT, NAT-T, DynDNS, NTP, VRRP, HTTPS, SSH, OSPF, RIP, BGP control by SMS and many other functions.

Other diagnostic functins to ensure continuous communication include automatic inspection of PPP connection with an automatic restart feature in case of connection losses and a hardware watchdog which monitors the status of the router. With the help of a start up script window you may insert Linux scripts for various actions. For some applications it is possible to create several different configurations or profiles for router (maximum of 4), and the option to switch between them (for example via SMS, binary input status, etc.). Cellular LTE wireless router LR77 v2 supports automatic upgrade of configuration and firmware from the server. This allows mass reconfiguration of multiple routers in one time. It is also possible to develop user defined modules that modify LTE router behavior.

#### APPLICATIONS

Transportation and security IT and communication Self-service terminals Energy and power industry Meteorology, alarm and warning systems

### PRODUCT FEATURES

- Designed for M2M applications
- WiFi, M-BUS and Modbus TCP / Modbus RTU
- Modular design to fit application requirements
- Single or dual SIM cards for redundant backhaul
- LTE up to 50 Mbps upload to 100 Mbps download
- Open LINUX platform & advanced networking functions
- Advanced security features

### **ORDERING INFORMATION**

Note: Check with your local distributor for availability and options. Contact Advantech B+B SmartWorx distributors.

### BB - LR2X71XXXX

Accessories 0	No Accessories (DIN holder included)
-	Accessories with EU power supply
1 (set)	Accessories with UK power supply
2 (set) 3 (set)	Accessories with Australia power supply
4 (set)	
4 (Sei)	Accessories with US power supply
Enclosure	
1	Plastic enclosure
2	Metal enclosure
PORT2	
(Full version only)	No every series and
0 1	No expansion port ETH
2	BS232
2	RS232 RS485
3	RS400 RS422
4 5	M-BUS
5 6	
7	CNT (4× BI, 2× AI, 1×B0) - I/0 port WiFi
8	
ŏ	WMBUS (Wireless M-BUS)
PORT1	
0	No expansion port
1	ETH
2	RS232
3	RS485
4	RS422
5	M-BUS
6	CNT (4× BI, 2×, 1×B0) - I/0 port
9	Switch
Doutor voreion	
Router version	Pasic
Router version B F	Basic Full

Please note: Isn't possible to have in the router all combinations of the ports. Please check your chosen variant with your local distributor.



**Cellular Routers** 

LTE

LR77 v2 Series

# **AD\ANTECH**

## Cellular Routers LTE LR77 v2 Series

SPECIFICATIONS						
FIXED INTERFACES - BAS						
1× Ethernet	10/100 Mbits, independent or bridged					
1× SIM	SIM Card					
1× 1/0	Binary input/output					
1× USB	USB 2.0 Host, Type A					
	USB 2.0 Host, Type A					
OPTIONAL INTERFACES						
1× PORT 1	Ethernet (10/100Mbps), RS232, RS422/485, M-BUS I/O Input/Output, Ethernet Switch (with PORT 2)					
ANTENNA CONNECTORS						
$2 \times SMA - 50$ Ohm						
FIXED INTERFACES - FU	LL VERSION					
1× Ethernet	10/100 Mbits, independent or bridged					
2× SIM	SIM Card					
1× 1/0	Binary input/output					
1× USB						
	USB 2.0 Host, Type A					
OPTIONAL INTERFACES						
1× PORT 1	Ethernet (10/100Mbps), RS232, RS422/485, M-BUS I/O Input/Output, Ethernet Switch (with PORT 2)					
1× PORT 2	RS232, RS422/485, M-BUS, WMBUS, WiFi Ethernet Switch (with PORT 1)					
1× Optional	2nd SIM card holder ("F" router versions)					
ANTENNA CONNECTORS						
3× SMA – 50 0hm						
POWER						
Source	9 - 36 VDC					
Consumption	ldle - 2.3 W GPRS - to 3.5 W (GPRS transmission) LTE - to 5.5 W (LTE transmission)					
MECHANICAL						
Dimension Plastic version	51 x 87 x 116mm					
Dimension Metallic version	42 x 87 x 113mm					
Dimension Metallic version	42 x 87 x 113mm					
Protection	IP30					
Protection Weight Plastic version	IP30 150g					
Protection Weight Plastic version Weight Metallic version	IP30					
Protection Weight Plastic version Weight Metallic version ENVIRONMENTAL	IP30 150g 280g					
Protection Weight Plastic version Weight Metallic version ENVIRONMENTAL Operating Temperature	IP30 150g 280g -40 to +75°C					
Protection Weight Plastic version Weight Metallic version ENVIRONMENTAL	IP30 150g 280g -40 to +75°C -40° to +85°C					
Protection Weight Plastic version Weight Metallic version ENVIRONMENTAL Operating Temperature	IP30 150g 280g -40 to +75°C					
Protection Weight Plastic version Weight Metallic version ENVIRONMENTAL Operating Temperature Storage Temperature	IP30 150g 280g -40 to +75°C -40° to +85°C Operating - 0 to 95% relative humidity non condensing Storage - 0 to 95% relative humidity non condensing					
Protection Weight Plastic version Weight Metallic version ENVIRONMENTAL Operating Temperature Storage Temperature Humidity	IP30 150g 280g -40 to +75°C -40° to +85°C Operating - 0 to 95% relative humidity non condensing Storage - 0 to 95% relative humidity non condensing					
Protection Weight Plastic version Weight Metallic version ENVIRONMENTAL Operating Temperature Storage Temperature Humidity WIFI *optional ("F" router	IP30 150g 280g -40 to +75°C -40° to +85°C Operating - 0 to 95% relative humidity non condensing Storage - 0 to 95% relative humidity non condensing versions)					
Protection Weight Plastic version Weight Metallic version ENVIRONMENTAL Operating Temperature Storage Temperature Humidity WIFI *optional ("F" router Antenna connector	IP30 150g 280g -40 to +75°C -40° to +85°C Operating - 0 to 95% relative humidity non condensing Storage - 0 to 95% relative humidity non condensing <b>versions)</b> R-SMA – 50 Ohms					
Protection Weight Plastic version Weight Metallic version ENVIRONMENTAL Operating Temperature Storage Temperature Humidity WIFI *optional ("F" router Antenna connector Supported WiFi band	IP30         150g         280g         -40 to +75°C         -40° to +85°C         Operating - 0 to 95% relative humidity non condensing Storage - 0 to 95% relative humidity non condensing         versions)         R-SMA – 50 Ohms         2.4 GHz         802.11b, 802.11g, 802.11n					
Protection Weight Plastic version Weight Metallic version ENVIRONMENTAL Operating Temperature Storage Temperature Humidity WIFI *optional ("F" router Antenna connector Supported WiFi band Standards	IP30 150g 280g -40 to +75°C -40° to +85°C Operating - 0 to 95% relative humidity non condensing Storage - 0 to 95% relative humidity non condensing <b>Versions)</b> R-SMA – 50 Ohms 2.4 GHz					
Protection Weight Plastic version Weight Metallic version <b>ENVIRONMENTAL</b> Operating Temperature Storage Temperature Humidity <b>WIFI *optional ("F" router</b> Antenna connector Supported WiFi band Standards 2.4 GHz supported channels	IP30 150g 280g -40 to +75°C -40° to +85°C Operating - 0 to 95% relative humidity non condensing Storage - 0 to 95% relative humidity non condensing <b>versions</b> <b>versions</b> R-SMA - 50 Ohms 2.4 GHz 802.11b, 802.11g, 802.11n 1, 2, 3, 4, 5, 6, 7, 8, 9, 10, 11, 12, 13 11b, 11 Mbps: typ85 dBm 11g, 54 Mbps: typ70 dBm (HT20) 11n, MSC7: typ66 dBm					
Protection Weight Plastic version Weight Metallic version <b>ENVIRONMENTAL</b> Operating Temperature Storage Temperature Humidity <b>WIFI *optional ("F" router</b> Antenna connector Supported WiFi band Standards 2.4 GHz supported channels RX Sensitivity	IP30         150g         280g         -40 to +75°C         -40 to +85°C         Operating - 0 to 95% relative humidity non condensing         versions)         R-SMA - 50 Ohms         2.4 GHz         802.11b, 802.11g, 802.11n         1, 2, 3, 4, 5, 6, 7, 8, 9, 10, 11, 12, 13         11b, 11 Mbps: typ85 dBm         11g, 54 Mbps: typ70 dBm         (HT20) 11n, MSC7: typ66 dBm         11b, 11 Mbps: min. 18, typ. 19, max. 20 dBm         11b, 11 Mbps: min. 18, typ. 19, max. 20 dBm         11b, 54 Mbps: min. 14, 5, typ. 16, max. 17.5 dBm         802.111 (HT20): min. 13.5, typ. 15, max. 16.5 dBm					

LTE parameters     3GPF Supp Supp       HSPA+ parameters     Bit rational GPF Supp       UMTS parameters     PS bit W-CI Supp       IMATS parameters     PS bit Supp       Bit rational     Bit rational	ate 100 Mbps (DL) / 50 Mbps (UL) P rel. 8 standard vorted bandwidths: 5 MHz, 10 MHz, 20 MHz vorted frequencies: 800 / 900 / 1800 / 2100 / 2600 MHz	
Protocols Frequency Sensitivity Acquisition time Accuracy CPU & MEMORY CPU & MEMORY CPU Flash memory Flash memory Flash memory M-RAM M-RAM IN-RAM CPU Flash memory Flash memor	NMEA 0183 v3.0         1575.42MHz         Tracking: -161dBm         Acquisition (Assisted): -158dBm         Acquisition (Standalone): -145dBm         Hot start: 1 s         Warm start: 29 s         Cold start: 32 s         Horizontal: < 2m (50 %); < 5m (90 %)	
Frequency Frequency Sensitivity Sensitivity Acquisition time Accuracy CPU & MEMORY CPU Flash memory RAM M-RAM I/O PORT (CNT) Binary input Binary output I/O PORT (CNT) Binary output I/O PORT	1575.42MHz Tracking: -161dBm Acquisition (Assisted): -158dBm Acquisition (Standalone): -145dBm Hot start: 1 s Warm start: 29 s Cold start: 32 s Horizontal: < 2m (50 %); < 5m (90 %) Attitude: < 4m (50 %); < 5m (90 %) Velocity: < 0.2 m/s 32b ARM microprocessor, 0.25 DMIPS per MHz 16 MB DDR SDRAM 64 MB 128 kB Reed contact with trigger level 1.3 up to 1.4 V 100 mA/ max. 30 V bdule the 100 Mbps (DL) / 50 Mbps (UL) rel. 8 standard oorted bandwidths: 5 MHz, 10 MHz, 20 MHz oorted frequencies: 800 / 900 / 1800 / 2100 / 2600 MHz	
Sensitivity Sensitivity Acquisition time Accuracy CPU & MEMORY CPU Flash memory RAM M-RAM I/O PORT (CNT) Binary input Binary output I/O PORT (CNT) Binary output I/O PORT (CNT) Binary input Binary output I/O PORT (CNT) B	Tracking: -161dBm Acquisition (Assisted): -158dBm Acquisition (Standalone): -145dBm Hot start: 1 s Warm start: 29 s Cold start: 32 s Horizontal: < 2m (50 %); < 5m (90 %) Altitude: < 4m (50 %); < 5m (90 %) Velocity: < 0.2 m/s 32b ARM microprocessor, 0.25 DMIPS per MHz 16 MB DDR SDRAM 64 MB 128 kB Reed contact with trigger level 1.3 up to 1.4 V 100 mA/ max. 30 V Ddule the 100 Mbps (DL) / 50 Mbps (UL) rel. 8 standard oorted bandwidths: 5 MHz, 10 MHz, 20 MHz oorted frequencies: 800 / 900 / 1800 / 2100 / 2600 MHz	
Acquisition time Accuracy CPU & MEMORY CPU Flash memory RAM M-RAM M-RAM I/O PORT (CNT) Binary input Binary output CPU PARAMETERS - LTE MOR Supp	Acquisition (Assisted): -158dBm Acquisition (Standalone): -145dBm Hot start: 1 s Warm start: 29 s Cold start: 32 s Horizontal: < 2m (50 %); < 5m (90 %) Altitude: < 4m (50 %); < 8m (90 %) Velocity: < 0.2 m/s 32b ARM microprocessor, 0.25 DMIPS per MHz 16 MB DDR SDRAM 64 MB 128 kB Reed contact with trigger level 1.3 up to 1.4 V 100 mA/ max. 30 V Polle the 100 Mbps (DL) / 50 Mbps (UL) rel. 8 standard ported bandwidths: 5 MHz, 10 MHz, 20 MHz ported frequencies: 800 / 900 / 1800 / 2100 / 2600 MHz	
Accuracy CPU & MEMORY CPU Flash memory RAM M-RAM I/O PORT (CNT) Binary input Binary output CPARAMETERS - LTE mod LTE parameters HSPA+ parameters UMTS parameters EXTER SUPP SUPP SUPP SUPP SUPP SUPP SUPP SUPP	Warm start: 29 s           Cold start: 32 s           Horizontal: < 2m (50 %); < 5m (90 %)	
CPU & MEMORY CPU Flash memory RAM M-RAM I/O PORT (CNT) Binary input Binary output PARAMETERS - LTE mod Supp Su	Altitude: < 4m (50 %); < 8m (90 %) Velocity: < 0.2 m/s 32b ARM microprocessor, 0.25 DMIPS per MHz 16 MB DDR SDRAM 64 MB 128 kB Reed contact with trigger level 1.3 up to 1.4 V 100 mA/ max. 30 V Pdule tet 100 Mbps (DL) / 50 Mbps (UL) rel. 8 standard ported bandwidths: 5 MHz, 10 MHz, 20 MHz ported frequencies: 800 / 900 / 1800 / 2100 / 2600 MHz	
CPU Flash memory Flash memory RAM M-RAM I/O PORT (CNT) Binary input Binary output PARAMETERS - LTE mod AGGE LTE parameters HSPA+ parameters UMTS parameters Bit ra Supp CS bit W-CC Supp Bit ra Bit ra CS bit	16 MB DDR SDRAM 64 MB 128 kB Reed contact with trigger level 1.3 up to 1.4 V 100 mA/ max. 30 V odule tet 100 Mbps (DL) / 50 Mbps (UL) rel. 8 standard borted bandwidths: 5 MHz, 10 MHz, 20 MHz borted frequencies: 800 / 900 / 1800 / 2100 / 2600 MHz	
Flash memory Flash memory RAM A-RAM I/O PORT (CNT) Binary input Binary output PARAMETERS - LTE mod LTE parameters HSPA+ parameters UMTS parameters EXP	16 MB DDR SDRAM 64 MB 128 kB Reed contact with trigger level 1.3 up to 1.4 V 100 mA/ max. 30 V odule tet 100 Mbps (DL) / 50 Mbps (UL) rel. 8 standard borted bandwidths: 5 MHz, 10 MHz, 20 MHz borted frequencies: 800 / 900 / 1800 / 2100 / 2600 MHz	
RAM M-RAM I/O PORT (CNT) Binary input Binary output PARAMETERS - LTE mod Supp LTE parameters HSPA+ parameters HSPA+ parameters UMTS parameters UMTS parameters Bit ra	64 MB 128 kB Reed contact with trigger level 1.3 up to 1.4 V 100 mA/ max. 30 V dule tet 100 Mbps (DL) / 50 Mbps (UL) Prel. 8 standard ported bandwidths: 5 MHz, 10 MHz, 20 MHz ported frequencies: 800 / 900 / 1800 / 2100 / 2600 MHz	
M-RAM I/O PORT (CNT) Binary input Binary output PARAMETERS - LTE mod LTE parameters HSPA+ parameters UMTS parameters UMTS parameters Bit ra Bi	128 kB Reed contact with trigger level 1.3 up to 1.4 V 100 mA/ max. 30 V Adule tet 100 Mbps (DL) / 50 Mbps (UL) Prel. 8 standard ported bandwidths: 5 MHz, 10 MHz, 20 MHz ported frequencies: 800 / 900 / 1800 / 2100 / 2600 MHz	
I/O PORT (CNT)         Binary input         Binary output         PARAMETERS - LTE model         LTE parameters       Supp Supp         HSPA+ parameters       Bit ra 3GPF Supp         UMTS parameters       PS bit CS bit W-CC Supp         Bit ra       Bit ra	Reed contact with trigger level 1.3 up to 1.4 V 100 mA/ max. 30 V odule tet 100 Mbps (DL) / 50 Mbps (UL) ? rel. 8 standard ported bandwidths: 5 MHz, 10 MHz, 20 MHz ported frequencies: 800 / 900 / 1800 / 2100 / 2600 MHz	
Binary input Binary output PARAMETERS - LTE mod Supp LTE parameters HSPA+ parameters UE C, 3GPF Supp UMTS parameters UE C, Supp UMTS parameters Bit ra	100 mA/ max. 30 V bdule ate 100 Mbps (DL) / 50 Mbps (UL) P rel. 8 standard orted bandwidths: 5 MHz, 10 MHz, 20 MHz orted frequencies: 800 / 900 / 1800 / 2100 / 2600 MHz	
Binary input Binary output PARAMETERS - LTE mod Supp LTE parameters HSPA+ parameters UE C, 3GPF Supp UMTS parameters UE C, Supp UMTS parameters Bit ra	100 mA/ max. 30 V bdule ate 100 Mbps (DL) / 50 Mbps (UL) P rel. 8 standard orted bandwidths: 5 MHz, 10 MHz, 20 MHz orted frequencies: 800 / 900 / 1800 / 2100 / 2600 MHz	
Binary output PARAMETERS - LTE mod TTE parameters Bit ra Supp HSPA+ parameters UMTS parameters UMTS parameters Bit ra Supp Bit ra Bit r	100 mA/ max. 30 V bdule ate 100 Mbps (DL) / 50 Mbps (UL) P rel. 8 standard orted bandwidths: 5 MHz, 10 MHz, 20 MHz orted frequencies: 800 / 900 / 1800 / 2100 / 2600 MHz	
LTE parameters Bit ra Supp Supp HSPA+ parameters UMTS parameters UMTS parameters UMTS parameters Supp Bit ra Supp Su	ate 100 Mbps (DL) / 50 Mbps (UL) P rel. 8 standard vorted bandwidths: 5 MHz, 10 MHz, 20 MHz vorted frequencies: 800 / 900 / 1800 / 2100 / 2600 MHz	
LTE parameters Supp Supp HSPA+ parameters WTC parameters UMTS parameters UMTS parameters Supp Bit rational support for the support of the suppo	P rel. 8 standard orted bandwidths: 5 MHz, 10 MHz, 20 MHz orted frequencies: 800 / 900 / 1800 / 2100 / 2600 MHz	
LTE parameters Supp Supp HSPA+ parameters UE C 3GPF Supp UMTS parameters PS bi CS bi W-CI Supp Bit ra	orted bandwidths: 5 MHz, 10 MHz, 20 MHz orted frequencies: 800 / 900 / 1800 / 2100 / 2600 MHz	
HSPA+ parameters HSPA+ parameters UE C, 3GPF Supp PS bi CS bi W-CI Supp Bit ra	ate 42 Mbps (DL) / 5.76 Mbps (UL)	
UMTS parameters CS bi W-CE Supp Bit ra	Bit rate 42 Mbps (DL) / 5,76 Mbps (UL) 3GPP rel. 7 standard UE CAT. 1 to 6, 8, 10, 12, 14 3GPP data compression Supported frequencies: 900 / 1800 / 2100 MHz	
Bit ra	PS bit rate 384 kbps (DL) / 384 kbps (UL) CS bit rate 64 kbps (DL) / 64 kbps (UL) W-CDMA FDD standard Supported frequencies: 900 / 1800 / 2100 MHz	
MCS	Bit rate 237 kbps (DL) / 59,2 kbps (UL) GPRS multislot class 10, CS 1 to 4	
GPRS/EDGE - EGSM Supported Power Classon	M 900: Class 4 (33 dBm) 1800: Class 1 (30 dBm) 5 900: Class E2 (27 dBm) 5 1800: Class E2 (26 dBm)	
STANDARDS/REGULAT	IONS	
Telecom and Emission	ETSI EN 301 511 V9.0.2 (2003-03), ETSI EN 301 908-2 V11.1.1 (2016-07), ETSI EN 301 908-13 V11.1.1 (2016-07), ETSI EN 300 328 V2.1.1 (2016-11), ETSI EN 300 220-2 V3.1.1 (2017-02)	
EMC	ETSI EN 301 489-1 V2.1.1 (2016-11), ETSI EN 301 489-17 V3.1.1 (2017-02), ETSI EN 301 489-3 V2.1.1 (2017-03)	
Safety	EN 60950-1:2006 + A11:2009 + A1:2010 + A12:2011 + A2:2013	

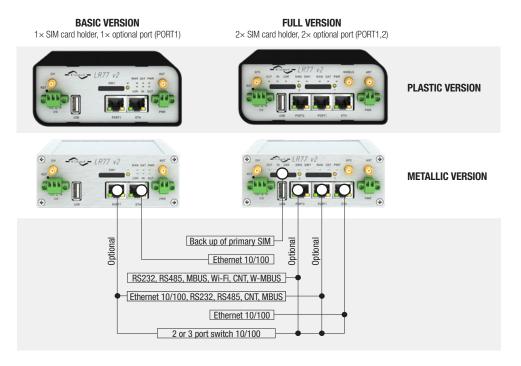


Cellular	Routers
LTE	
LR77 v2 Series	



SOFTWARE FEATURES				
Linux based, possibility to program your own application				
NTP client, NTP Server – time synchronization				
SMS communication – AT commands on RS232, Ethernet and I/O				
M-RAM memory inside – router statistic's saving into memory				
NETWORKING				
DHCP – automatic IP addressing in LAN network				
NAT/PAT – IP address and ports translation between inside/outside network				
VRRP – virtual backup router function				
DynDNS client – access to the router with a dynamic IP address				
Dial-in – the ability to communicate over dial CSD call				
PPPoE Bridge – PPP frames encapsulation inside ETH frames				
VPN TUNNELING				
IPsec, OpenVPN, L2TP – secure encrypted tunnels				
CONFIGURATION AND DIAGNOSTIC				
HTTP server – configuration via web server				
Telnet – configuration and access to the file system				
SNMP - router diagnostics, communication with I/O and M-Bus				
GPRS state signalization by LED				
On-line info on GSM signal status (level, cell, neighbors)				
SMS info – power on, GPRS connection or disconnection				
SMS control – on/off GPRS connection, switch SIM, I/O etc.				
Transferred data counting, one more APN as backup				
Remote router group configuration change, switching among configuration profiles				
CCU appropriate configuration and access to the file system				

 $\ensuremath{\mathsf{SSH}}\xspace$  – encrypted configuration and access to the file system





## Cellular Routers LTE LR77 v2 Series



ACCESSORIES		included in Package	INCLUDED IN Set Package	SOLD SEPARATELY
ORDER CODE	DESCRIPTION			
BB-SBD40	Metal DIN holder for Metal versions of routers v2	v	<b>~</b>	<b>v</b>
BB-CPD2-B	Plastic DIN holder for Plastic versions of routers v2	v	<b>~</b>	<b>v</b>
BB-GA.110.101111	Magnet mount antenna LTE 698MHz to 960MHz, 1575.42MHz, 1710MHz to 2700MHz, 3500MHz, 1M RG174 Cable, SMA(M) Connector Typical 40% Efficiency and 3dBi Peak Gain			~
BB-TG.10.0113	Antenna LTE/UMTS/GSM, Terminal, SMA-M		2×	~
BB-AO-ABASE-C16	Magnetic mount base terminal antenna, 3m cable, SMA connector			~
BB-AW-A24G-M5SRP	Antenna WiFi stick 5dB, SMA-RP connector		~	~
BB-AP-AGNSS-SMA	Antenna GPS/GLONASS, active (3V), magnetic, 33 - 34dB, 3m cable + SMA connector			~
BB-CON-WR3	3-pin terminal block for I/O	~	~	~
BB-CON-WR2	2-pin Terminal block for Power Supply	¥		<b>~</b>
BB-RPS-v2-WR2-EU	Power supply with WR connector (2 pins) - 12V/1A - EU plug		~	<b>v</b>
BB-RPS-v2-WR2-US	Power supply with WR connector (2 pins) - 12V/1A - US plug		~	~
BB-RPS-v2-WR2-UK	Power supply with WR connector (2 pins) - 12V/1A - UK plug		<b>、</b>	~
BB-RPS-v2-WR2-AUS	Power supply with WR connector (2 pins) - 12V/1A - AUS plug		~	~
BB-KD-ETH	Ethernet cross cable 1.5m		~	~
Quick Start Guide		<b>v</b>	<b>v</b>	



Router Management Software consisting of two parts:

- **R-SeeNet Server** application can be programmed to automatically send SNMP queries (Simple Network Management Protocol) to each router defined in the network. The application retrieves status information from the routers and records it in the SQL database.
- **R-SeeNet PHP** is a web-based application that accesses the SQL database and provides the network administrator detailed information on individual routers and network health.

### WebAccess/DMP

- **WebAccess/DMP** takes management of your devices to new levels of flexibility and efficiency. Giving you a complete view of your installed device population, SmartWorx Hub delivers invaluable configuration, diagnostic and management facilities directly to your desktop, wherever you are.
- Manage a single device or your entire device population at the same time. Whether you need to modify configuration parameters, download or upgrade installed firmware and applications or view detailed information regarding network statistics, you can do it all from any location.

