

+ SPECTRE v3 LTE

THIRD GENERATION
MORE POWER, MORE FEATURES, MORE IDEAS

COMMUNICATIONS AND TRANSPORT •
CAMERA AND SECURITY SYSTEMS •
ENERGY AND HEAT INDUSTRIES •
ENVIRONMENTAL MEASUREMENTS •
GAS AND CRUDE OIL DISTRIBUTION •



- Extremely powerful CPU Cortex A8, 1 GHz (2000 DMIPS)
- Memory: 256 MB flash memory, 512 MB RAM, 128 kB M-RAM
- 3x independent Ethernet 100 Mbit/s (up to 5 Ethernet ports)
- Optional industrial built-in Wi-Fi module
- MicroSD card holder
- Extended input voltage range from 10 VDC to 60 VDC
- Extended operational temperature range from -40 °C to +75 °C
- Sleep mode for reducing electrical consumption
- PoE PD, PoE PSE

Spectre v3 LTE is available for all regions of the world
EMEA, LATAM, Australia, New Zealand
Spectre v3 routers can be equipped with a module that
supports the **LTE 450 MHz** frequency.

B+B SMARTWORX®

+ CONEL CELLULAR ROUTERS

ENABLING CONNECTED INTELLIGENCE

PRODUCT INFORMATION

Power, Consumption, Environmental, IP cover

Power supply	10 – 60 VDC
Consumption - Idle / Average / Peak / Sleep Mode	2,5 / 4 / 11 W / 10 mW
Temperature range – Operating / Storage	-40 to +75 °C / -40 to +85 °C
Cold start	-35 °C / -40 °C +5 min
Humidity – Operating / Storage	0 to 95 % / 0 to 95 %
IP cover – Standard	IP30

Mechanical

Casing	Plastic, Metal
Dimensions of metal casing	55 x 97 x 125 mm
Weight - Metal / Plastic	375 g (metal) , 170 g (plastic)

Ports, LED, Antennas

Two independent Ethernet	Ethernet 10/100
Expansion port	3 port switch Ethernet 10/100
	RS232
	Combined RS232 + RS485
	Combined RS232 + RS485 + ETH
	Isolation strength of Ethernet (ETH2) and RS232, RS485 ports is up to 2.5 kV.
SIM	2 Mini SIMs (2FF)
USB	2.0 USB host
I/O	2 binary inputs, 1 binary output
LED	PWR, USR, POE, SIM, WAN, DAT, IN0, IN1, OUT, Ethernet
ANT + DIV antennas	SMA connectors
GPS antenna	SMA connector
Wi-Fi antenna - *optional	R-SMA connector

PoE PD: parameters for opposite PSE

Input voltage range	42.5 – 57 V
Power available	25.50 W
Maximum current	600 mA

PoE PSE parameters

Power supply needed	44 – 57 V, 60W
Power available	2 x 25.50 W (ETH0, ETH1)

Features

Networking	DHCP, NAT/PAT, VRRP, DynDNS client, VLAN, QoS, DMVPN, PPPoE Bridge, Dial-in, NTP client-server, IGMP, BGP, OSPF, RIP, SMTP, SMTPS, SNMP v1/v2c/v3, Backup routes
Security	HTTPS, SSH, Firewall, VPN tunnels, SFTP
VPN tunnelling	IPSec, OpenVPN, L2TP, PPTP, GRE, EasyVPN
Configuration	Web server, SSH, Four configuration switchable profiles, Automatic configuration update from server, Automatic firmware update from server, Backup configuration, Restore configuration
Diagnostic	One CLICK report - current configuration / factory identification / system log / kernel log / reboot log / routing table
Statuses	Network Status, Mobile Status, DHCP Status, IPSec Status, Statistics for two previous months
Logs	System Log, Reboot Log, Kernel Log
Controlling and diagnostic	SMS, SNMP v1/v2c/v3, Statuses
Scripts	StartUp script, Up/Down script
Scripting languages	Bash, Python
Other	Robust firmware update

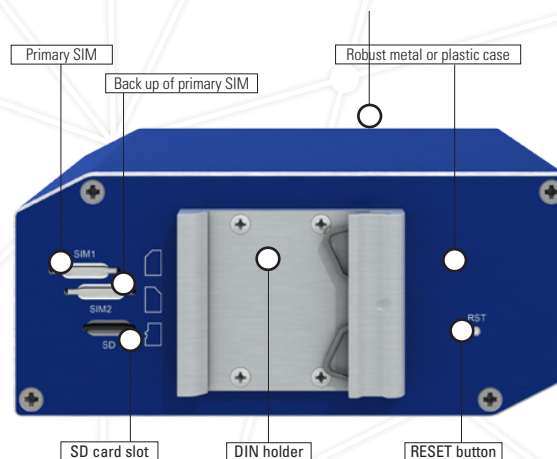
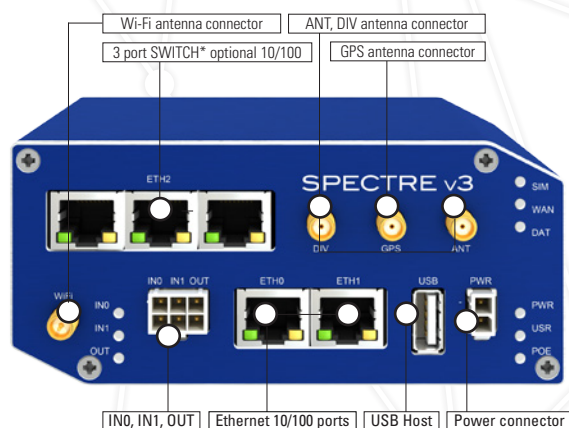
Mobile technology (by the module)	MAX download	MAX upload
GSM/GPRS/EDGE	236,8 Kbit/s	118,4 Kbit/s
UMTS/HSPA+ & GPRS/EDGE	21,1 Mbit/s	5,76 Mbit/s
LTE & UMTS/HSPA+ & GPRS/EDGE	100 Mbit/s	50 Mbit/s
Wi-Fi 802.11 b/g/n - *optional (AP/STA) 10 clients supported (-40 to +75 °C)	80 Mbit/s	80 Mbit/s

Technical Parameters of GPS *(version of the router using LTE 450MHz VF module isn't equipped with GPS)

GPS protocol	NMEA 0183 v3.0
Frequency	1575.42 MHz
Antenna	50 Ohms – active

Technical Specifications of microSD card

Supported technologies	SDHC, SDXC
Supported capacity	SDHC – up to 32 GB SDXC – from 32 GB to 64 GB



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Conel Spectre v3 is compatible with:

R-SEENET

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