
Complete your
SATEL XPRS
solution
SATEL-GW600
2G/3G/LTE router
SATEL-GW120
2G/3G/LTE router with WiFi
SATELxprs

Benefit from the use of multiple technologies

The SATEL XPRS solution takes your mission-critical communications to the next level. Varying system requirements such as different investment profiles and increasing redundancy and performance are met by the SATEL XPRS solution with wireless cellular routers. Co-operation of adjacent technologies adds even more reliability, predictability and security to your mission-critical connectivity.

SATEL-GW600

The versatile 2G/3G/LTE wireless router is suitable for a variety of industrial deployments. The compact structure makes it excellent for M2M applications like SCADA, telemetry and intelligent traffic systems. The router supports the following radio access technologies: LTE, HSPA+, HSPA, UMTS, EDGE, GPRS and GSM.

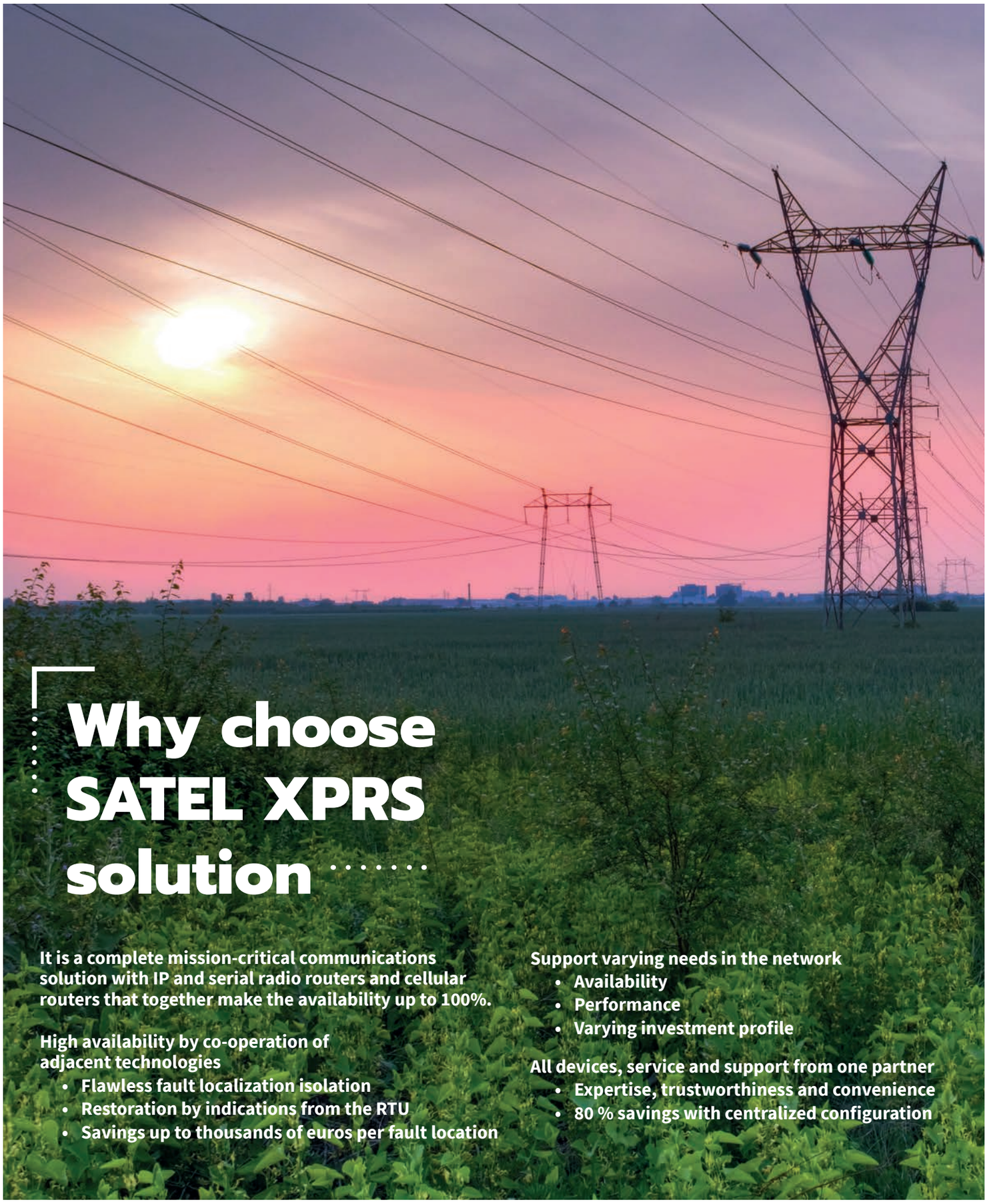
- Dual SIM
- RJ45: Quad RJ45 Ethernet ports
- SMS commands
- RS-232 and RS-485 serial ports
- Digital inputs for event detection
- Relay contact options
- Extended list of routing protocols
- Security features
- Protocol conversions
- Centralised management and monitoring

SATEL-GW120

The small and robust 2G/3G/LTE router with WiFi option is perfect for M2M applications like remote monitoring and control. It offers a new entry point for 2G/3G/LTE data applications and supports the following radio access technologies: LTE, HSPA+, HSPA, UMTS, EDGE, GPRS and GSM.

- Dual SIM
- 2.4GHz WiFi
- Dual Ethernet
- Extended list of routing protocols
- Security features
- GPS receiver
- SMS management
- Active power conditioning
- Centralised management and monitoring

	SATEL-GW600		SATEL-GW120	
Software features				
Management	SMS management support Local and remote advanced configuration through embedded web server and Java applets HTTP HTTPS Command Line Interface via Telnet or SSH TFTP client download/upload SNMP agent		Automatic configuration using Activator server HTTP/HTTPS Command Line Interface via Telnet or SSH TFTP client download/upload SNMP agent SMS management support	
Fault investigation and reporting	Event logging Syslog support Packet tracing			
Routing features	BGPv4, OSPF RIP (v1 and v2) IPSec/L2TP/GRE DMVPN, open VPN SNMP v1/v2/v3	TLS 1.2 802.1x authentication IEC104 Firewall IPv4 and IPv6	DHCP server/client DynDNS NAT NAT Traversal NTP Client	VLAN support Packet filtering Port forwarding
IPSec VPN	IKE version 2 X.509 certificates SHA2_512 support	PFS SCEP DH_8192	Elliptic Curve Cryptography (ECC)	AES_CBC (256), 3DES and DES
SCADA support	Protocol conversion between IEC104 SCADA master and IEC101/ DNP3/Modbus RTUs (Both Modbus over serial and Modbus TCP supported)			
Terminal server	Serial RS232, RS485 to TCP/IP or UDP/IP conversion Connects serial ports to TCP or UDP streams			
Hardware features				
LAN interfaces	Quad 10/100 base-T Ethernet port Auto detects full- or half-duplex operation Auto detects a regular or crossover cable for easy connection to a switch or hub		Dual 10/100Mbps base-T Ethernet port Auto detects full- or half-duplex operation Auto detects a regular or crossover cable for easy connection to a switch or hub	
WAN interfaces	Ethernet ports can optionally be configured for WAN use Wireless WAN with 3G/LTE options			
WiFi			2.4GHz 802.11bgn Concurrent Access Point and Station mode Dual SMA sockets	
Serial interfaces	2 x RS232, or 1 x RS232 + 1 x RS485			
Digital inputs	2 x digital inputs for detecting remote contact open/close Scripts define action to be taken on input events			
Digital output	Relay contact output. 30V DC 1A rating NO, NC and Common			
SIM	2 x SIM card socket with optional slot cover			
Antennas	Supports dual antenna configuration for diversity 3G/LTE rubber antenna supplied as standard Other antenna options available		2 x LTE SMA female antenna connectors MIMO support in LTE versions 1 x GPS SMA female antenna connector with 3v3 Active power feed 2 x SMA female WiFi antenna sockets	
LEDs	Power indicator Signal strength indicator	Ethernet activity Active SIM	Power indicator Ethernet activity	Active SIM WiFi
Power	9V-59V DC 5W power consumption DIN Rail PSUs can be provided		Power lead is supplied with 4 connectors for +12V, ignition +12V, 0V and Voltage sense	Optional 18-75V isolated DC input Optional AC adapter available (100-240V) 12V DC 0.5A 6W power consumption
Size / Weight	40 x 115 x 160 mm / 500 g		114 x 114 x 38 mm / 450 g With included mounting bracket: 120 x 120 x 42 mm	
Approvals and certificates	EN60950 safety approval EN55022 and EN55024 EMC IEC 61850-3		EN60950 safety approval EN55022 and EN55024 EMC	EN 300 328 V1.9.1 IEC 61850-3
Ingress protection	31			
RF band options				
Region	Europe			
2G Bands	900/1800			
3G Bands	900/2100			
LTE Bands	B1/B3/B7/B8/B20/B38/B40 B3, B7, B20, B31 (ask for an offer)			
Operating temperatures	-30°C to 70°C			
GPS	For SATEL-GW120			



Why choose SATEL XPRS solution

It is a complete mission-critical communications solution with IP and serial radio routers and cellular routers that together make the availability up to 100%.

High availability by co-operation of adjacent technologies

- **Flawless fault localization isolation**
- **Restoration by indications from the RTU**
- **Savings up to thousands of euros per fault location**

Support varying needs in the network

- **Availability**
- **Performance**
- **Varying investment profile**

All devices, service and support from one partner

- **Expertise, trustworthiness and convenience**
- **80 % savings with centralized configuration**

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SATEL

Mission-Critical Connectivity

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