



Complete your
SATEL XPRS
solution

SATEL-GW600

2G/3G/LTE router

SATEL-GW120

2G/3G/LTE router with WiFi

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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

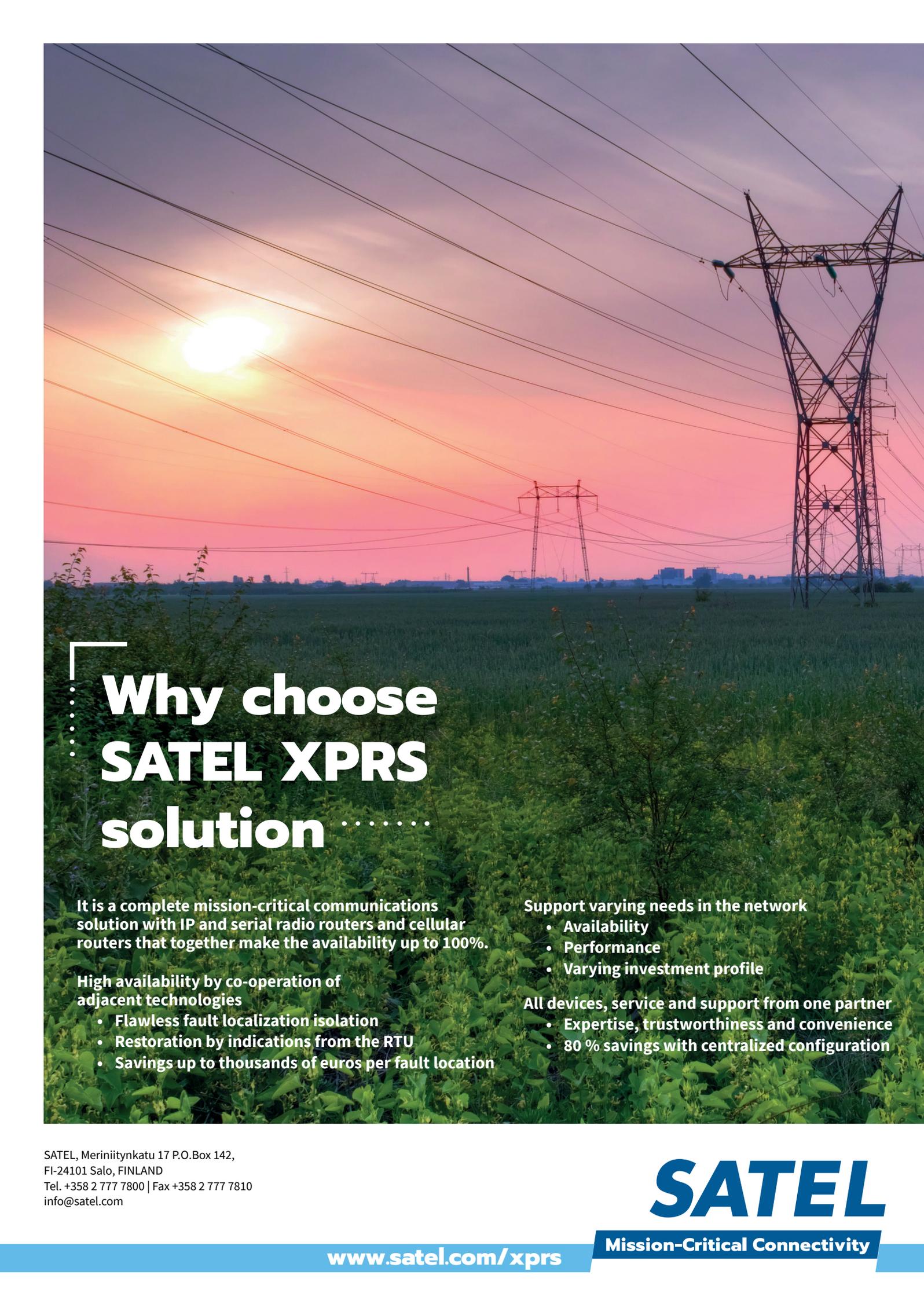
The small and robust 2G/3G/LTE router with WiFi option is perfect for M2M applications like remote monitoring and control. It offers a new entry point for 2G/3G/LTE data applications and supports the following radio access technologies: LTE, HSPA+, HSPA, UMTS, EDGE, GPRS and GSM.

- 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	<ul style="list-style-type: none"> 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 		<ul style="list-style-type: none"> 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	<ul style="list-style-type: none"> Event logging Syslog support 	<ul style="list-style-type: none"> Packet tracing 	<ul style="list-style-type: none"> Event logging Syslog support 	<ul style="list-style-type: none"> Packet tracing
Routing features	<ul style="list-style-type: none"> Firewall Port forwarding BGPv4, OSPF RIP (v1 and v2) IPSec/L2TP/GRE SNMP v1/v2/v3 TLS 1.2 802.1x authentication IEC104 	<ul style="list-style-type: none"> IPv4 and IPv6 DHCP server/client DynDNS NAT NAT Traversal NTP Client VLAN support Packet filtering 	<ul style="list-style-type: none"> BGPv4, OSPF RIP (v1 and v2) IPSec/L2TP/GRE DMVPN SNMP v1/v2/v3 TLS 1.2 802.1x authentication IEC104 Firewall 	<ul style="list-style-type: none"> IPv4 and IPv6 DHCP server/client DynDNS NAT NAT Traversal NTP Client VLAN support Packet filtering Port forwarding
IPSec VPN	<ul style="list-style-type: none"> IKE Version 2 X.509 certificates Elliptic Curve Cryptography SHA2_512 support 	<ul style="list-style-type: none"> AES_CBC (256), 3DES and DES PFS SCEP DH_8192 	<ul style="list-style-type: none"> IKE version 2 X.509 certificates Elliptic Curve Cryptography (ECC) SHA2_512 support 	<ul style="list-style-type: none"> AES_CBC (256), 3DES and DES PFS SCEP DH_8192
SCADA support	<ul style="list-style-type: none"> Protocol conversion between IEC104 SCADA master and IEC101/DNP3/Modbus RTUs (Both Modbus over serial and Modbus TCP supported) 			
Terminal server	<ul style="list-style-type: none"> Serial RS232, RS485 to TCP/IP or UDP/IP conversion Connects serial ports to TCP or UDP streams 			
Hardware features				
LAN interfaces	<ul style="list-style-type: none"> 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 		<ul style="list-style-type: none"> 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	<ul style="list-style-type: none"> Wireless WAN with 3G/LTE options Ethernet ports can optionally be configured for WAN use 		<ul style="list-style-type: none"> Wireless WAN with 3G/LTE options Ethernet ports can optionally be configured for WAN use 	
WiFi			<ul style="list-style-type: none"> 2.4GHz 802.11bgn Concurrent Access Point and Station mode Dual SMA sockets 	
Serial interfaces	<ul style="list-style-type: none"> 2 x RS232, or 1 x RS232 + 1 x RS485 			
Digital inputs	<ul style="list-style-type: none"> 2 x digital inputs for detecting remote contact open/close Scripts define action to be taken on input events 			
Digital output	<ul style="list-style-type: none"> Relay contact output. 30V DC 1A rating NO, NC and Common 			
SIM	<ul style="list-style-type: none"> 2 x SIM card socket with optional slot cover 		<ul style="list-style-type: none"> 2 x SIM card socket with optional slot cover 	
Antennas	<ul style="list-style-type: none"> Supports dual antenna configuration for diversity 3G/LTE rubber antenna supplied as standard Other antenna options available 		<ul style="list-style-type: none"> 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	<ul style="list-style-type: none"> Power indicator Signal strength indicator 	<ul style="list-style-type: none"> Ethernet activity Active SIM 	<ul style="list-style-type: none"> Power indicator Ethernet activity 	<ul style="list-style-type: none"> Active SIM WiFi
Power	<ul style="list-style-type: none"> 9V-60V DC DIN Rail PSUs can be provided 		<ul style="list-style-type: none"> Power lead is supplied with 4 connectors for +12V, ignition +12V, 0V and Voltage sense 	<ul style="list-style-type: none"> Optional 18-75V isolated DC input Optional AC adapter available (100-240V) 12V DC 0.5A
Size / Weight	<ul style="list-style-type: none"> 40 x 115 x 160 mm / 500 g 		<ul style="list-style-type: none"> 114 x 114 x 38 mm / 450 g With included mounting bracket: 120 x 120 x 42 mm 	
Approvals and certificates	<ul style="list-style-type: none"> EN60950 safety approval EN55022 and EN55024 EMC IEC 61850-3 		<ul style="list-style-type: none"> EN60950 safety approval EN55022 and EN55024 EMC 	<ul style="list-style-type: none"> EN 300 328 V1.9.1 IEC 61850-3
RF band options				
Region	Europe		Europe	
2G Bands	900/1800		900/1800	
3G Bands	900/2100		900/2100	
LTE Bands	B1/B3/B7/B8/B20/B31*/B38/B40		B1/B3/B7/B8/B20/B31*/B38/B40	
GPS			Yes	
Operating temperatures	-30°C to 70°C		-30°C to 70°C	

*Ask for an offer



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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