



The GO5 Lite is WiFi In Motion's latest 5G-capable router supporting 5G, 4G, and 3G networks. It leverages our proven high-performance CPU platform along with an in-house developed operating system that has successfully passed extensive third-party penetration testing. The GO5 Lite is compatible with 3GPP Release 16 and is designed for broadband failover, primary broadband, and SD-WAN.



Key Features

- Low-cost industrial 5G router
- 5G/4G/3G cellular connections
- Cutting-edge 5G 3GPP Release 16 cellular interface
- Supports Ethernet, Wi-Fi and 5G/4G internet with auto-failover
- 1 x RS-232/RS-485 ports (software configurable) for connecting industrial and legacy devices
- Fully programmable operating system with a well-documented SDK
- Multiple VPN options available including DMVPN, IPsec, L2TP, and more
- Cloud management platform
- Robust metal enclosure with a compact design for DIN-rail and wall mounting



2-pin 3.5 mm Terminal Block with Lock

Hardware System		Software		
CPU	Dual-core MIPS, 880 MHz	Network protocols	PPP, PPPoE, TCP, UDP, DHCP, ICMP, NAT, HTTP, DNS, NTP, SMTP, Telnet, VLAN, HTTPS, ARP, SSH2, DDNS, etc.	
RAM	256 MB	VPN tunnels	IPSec, OpenVPN, GRE, WireGuard	
Flash	32 MB	Firewalls	DMZ, anti-DoS, Filtering (IP/Domain name/MAC address), Port Mapping, Access Control	
Cellular Interface			Remote management	
Number of antennas	4 (ANT0 + ANT1 + ANT2 + ANT3)	Serial port protocols	Web, CLI, SMS	
Connector	SMA-K	Routing	Transparent, TCP Client/Server, UDP, Modbus RTU to TCP	
SIM	2 x Mini SIM (2FF)	Others	Static routing, Dynamic routing (BGP, OSPF v2, RIP v1/v2)	
Ethernet Port			Smart Roaming V2	
Number of ports	2 x 10/100/1000 Mbps	SDK		
	2 LAN by default, can be configured as 1 WAN + 1 LAN	Supported programming languages	C, C++	
Magnet isolation protection	1 KV	Flash available for SDK	5 MB	
Wi-Fi Interface			RAM available for SDK	
Number of antennas	2 (Wi-Fi1 + Wi-Fi2)	App Center		
Connector	RP-SMA-K	Apps*	L2TP, PPTP, DMVPN, VRRP, QoS, SNMP, Language, RCMS, Captive Portal, WLAN Multi AP, Edge2Cloud, etc.	
Standards	802.11 a/b/g/n/ac, 2 x 2 MIMO	Power Supply and Consumption		
	Supporting AP and Client modes	Connector	2-pin 3.5 mm terminal block with lock	
Frequency bands	2.412 - 2.472 GHz (2.4 GHz ISM band)		4-pin Micro-Fit socket	
	5.15 - 5.825 GHz (5 GHz ISM band)	Note: Different models correspond to different connectors. Please refer to the Ordering Information table for details.		
Security	WPA, WPA2, WEP, WPA3	Input voltage	12/24 V DC, 12 ~ 36 V DC	
Encryption	AES, TKIP, WEP64		Reverse polarity protection, surge protection	
Serial Port			Power consumption	
Number of ports	1 x RS-232 or 1 x RS-485 (software configurable)	Idle: 3 W@12 V		
Connector	1 x 3-pin 3.5 mm female socket	Max: 11 W@12 V		
ESD protection	±8 KV air discharge, ±6 KV contact discharge	Recommended power supply	12 V DC/1.5 A power adapter	
Baud rate	300 bps ~ 115200 bps	Physical Characteristics		
Signal definition	RS-232: TXD, RXD, GND	Ingress protection	IP30	
	RS-485: Data+ (A), Data- (B), Ground (GND)	Housing & Weight	Aluminum, 475 g	
GNSS Interface (Optional)				
Number of antennas	1	Dimensions	32 x 115 x 136 mm	
Connector	SMA-K	Installations	Desktop, wall mounting and 35 mm DIN rail mounting	
GNSS frequency	GPS: L1, L5	Operating temperature	-20 ~ +55 °C (normal temperature)	
	QZSS: L1, L5		-25 ~ +70 °C (extended temperature)	
	Galileo: E1, E5a	Storage temperature	-40 ~ +85 °C	
	GLONASS: L1OF	Relative humidity	5 ~ 95% RH (non-condensing)	
	BDS: B1			
Others				
Reset button	1 x RST			
LED indicators	1 x RUN, 1 x MDM, 1 x RSSI, 1 x USR, 1 x 2.4G (Wi-Fi), 1 x 5G Wi-Fi			
Watchdog	External			

"At Arrow we are always looking for new ways to enhance the customer experience. We have taken the necessary steps to moving resources, talent and technology into these areas of development."

Luke Busskohl
President and CEO of ARROW STAGE LINES



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