



DYNA-5000

Industrial Dual SIM 5G Router, 4 Eth, Serial & DIO

Features

- Global 5G/4G/3G Cellular connections
- Supports Ethernet, Wi-Fi and 4G/5G internet with auto-failover
- The feature Link Manager supporting Cellular WAN, Ethernet WAN, WLAN WAN link backup and ICMP detection
- Multiple VPN options available including DMVPN & IPsec/ OpenVPN /GRE/ L2TP/ PPTP/ DMVPN
- Metal enclosure with small footprint – DIN-rail + wall mount options

Specifications

Cellular Interface	Number of antennas	4 (ANT0 + ANT1 + ANT2 + ANT3)
	Connector	SMA-K
	SIM	2 Mini SIM (2FF)
GNSS (Optional, requires a 4-in-1 Combo Antenna to support this function)	Number of antennas	2 (ANT1 + ANT2, Multiplexing cellular antenna interface)
	Connector	SMA-K
	GNSS Technology	GPS/GLONASS/BeiDou (Compass)/Galileo
	Horizontal position accuracy	<2m
Ethernet Interface	No. of Ports	<ul style="list-style-type: none"> • 4 x 10/100/1000 Mbps • 4 LAN by default, can be configured as 1 WAN + 3 LAN
	Magnet isolation protection	1KV
Wi-Fi Interface	Number of antennas	2 (Wi-Fi1 + Wi-Fi2)
	Connector	RP-SMA-K
	Standards	802.11b/g/n/ac, 2 x 2 MIMO, supports AP and Client modes
	Frequency bands	2.412 - 2.472 GHz (2.4 GHz ISM band)
	Security	WPA, WPA2, WEP
	Encryption	AES, TKIP, WEP64
Serial Interface	Data speed	5G: Up to 867 Mbps 2.4G: Up to 300 Mbps
	Number of ports	1 x RS232 + 1 x RS485
	Connector	2 x 5-pin 3.5 mm female socket
	Baud rate	300 bps ~ 115200 bps
DI/DO	Signal definition	RS232: TXD, RXD, GND RS485: Data+ (A), Data- (B), Ground (GND)
	Type	1x DI + 1 x DO, wet contact
	Connector	2 x 5-pin 3.5 mm female socket
	Isolation	3.75 KVDC (opto-isolator)
	Absolute maximum VDC	"V+" +30 VDC (DI), +30 VDC (DO)
	Absolute maximum ADC	100 mA
Others	Signal definition	IN, OUT, IGND, OGND
	Reset button	1 x RST
	SD	1 x Micro SD
	Expansion	1 x USB 2.0 Host; 5 V/500 mA
	LED indicators	1 x RUN, 1 x Modem, 1 x USR, 1 x RSSI, 1 x NET, 1 x Wi-Fi
Built-in		Watchdog

Ordering Information	Part Number	Description
	DYNA-5000	5G/4G/3G Industrial Dual SIM Router with (4 Eth + 1 RS232 + 1 RS485 + 1 DI + 1 DO)
	Frequency bands	5G: NR NSA: n1/n2/n3/n5/n7/n8/n12/n20/n25/n28/n38/n40/n41/n48*/n66/n71/n77/n78/n79 NR SA: n1/n2/n3/n5/n7/n8/n12/n20/n25/n28/n38/ n40/n41/n48*/n66/n71/n77/n78/n79
		4G: LTE FDD: B1/B2/B3/B4/B5/B7/B8/B12(B17)/B13/B14/B18/B19/B20/B25/B26/B28/B29/B30/B32/ B66/ B71 LTE TDD: B34/B38/B39/B40/B41/B42/B43/B48
3G: WCDMA: B1/B2/B3/B4/B5/B6/B8/B19		