

## DYNA-2000 Series

Dual-SIM VPN IIoT Router



### Features

- Dual-SIM redundancy for continuous cellular network connections
- Link Manager supports Cellular WAN, Ethernet WAN, WLAN WAN link backup and ICMP detection
- WAN – Static/DHCP Client
- IPsec/OpenVPN/GRE VPN capabilities
- Management and maintenance via Web
- Auto reboot via SMS/time schedule
- Industrial design (9 to 36 V DC, desktop or wall mounting or DIN rail mounting)

### Introduction

DYNA 2000 Series is a reliable, secure, low power consumption LTE Gateways with state-of-the-art LTE coverage across all ISP network in India . These LTE cellular gateways provide reliable connections from remote serial and Ethernet devices to a cellular network so that your applications can be easily implemented for IIoT remote-access scenarios. With its efficient power saving features, the DYNA 2000 Series lowers power consumption to less than 10W.

DYNA 2000 specially designed to be LOW-COST and HIGHLY-EFFICIENT. The compact-sized design allows it to easily fit into small cabinets or machines when space is extremely limited. Equipped with 2 fast Ethernet ports and 1 RS232 or RS485, 1 DIO interface, DYNA 2000 can connect with diverse field assets.

With a built-in LTE CAT4 modem, it supports dual SIM backup for robust, reliable cellular communication. Also, its rugged enclosure and wide operating temperature range (-35°C to +75°C) make it perfectly suit most M2M applications in the harsh Environment.

### Specification

Cellular Interface	Number of antennas	2 (MAIN+AUX) or 1 (MAIN)
	Connector	SMA-K
	SIM	2 Mini SIMs (2FF)
	Frequency Bands	<b>4G</b> : LTE FDD: B1/B3/B5/B8 LTE TDD: B34/B38/B39/B40/B41 <b>3G</b> :WCDMA: B1/B5/B8 <b>2G</b> :GSM: B3/B8
Ethernet Interface	Number of ports	2 x 10/100 Mbps, 2 x LAN or 1 x LAN + 1 x WAN
	Magnet isolation protection	1.5 KV

Wi-Fi Interface	Number of antennas	2 (Wi-Fi1 + Wi-Fi2)
	Connector	RP-SMA-K
	Standards	802.11 b/g/n, supporting AP and Client modes
	Frequency bands	2.4 GHz
	Security	WEP, WPA, WPA2
	Encryption	64/128 AES, TKIP
	Data speed	2 x 2 MIMO, 300 Mbps
DI/DO	Type	1 x DI, 1 x DO
	Connector	1 x 4-pin 3.5 mm female socket
	Signal definition	DI+, DI-, DO+, DO-
Serial Interface	Type	Rs232 or RS485 (software configurable)
	Connector	1 x 3-pin 3.5 mm female socket
	Signal definition	Rs232: TXD, RXD, GND RS485: A, B
	Reset button	1 x RST
Others	LED indicators	1 x RUN, 1 x MDM, 1 x WIFI, 3 x RSSI
	Built-in	Watchdog, Timer
	Connector	2-pin 3.5 mm female socket
Power Supply and Consumption	Input voltage	9 to 36 V DC
	Power consumption	Idle: 200 mA@12 V
		Data link: 580 mA (peak)@12 V
Software	Network protocols	PPP, PPPoE, TCP, UDP, DHCP, ICMP, NAT, HTTP, HTTPS, DNS, ARP, BGP, RIP, OSPF, NTP, SMTP, Telnet, VLAN, SSH2, DDNS, etc.
	VPN tunnel	Ipssec, OpenVPN, GRE
	Firewall	DMZ, anti-DoS, Filtering (IP/Domain name/MAC address), Port Mapping, Access Control
	Remote management	Web, CLI, SMS
	Serial port	Transparent, TCP Client/Server, UDP, Modbus RTU Gateway
App Center	Apps*	L2TP, PPTP, DMVPN, VRRP, QoS, Captive Portal, WLAN Multi AP, SNMP, Language
		*Request on demand
Physical Characteristics	Ingress protection	IP 30
	Housing & Weight	Metal, 350 g
	Dimensions	127 x 82 x 30 mm
	Installations	Desktop, wall mounting and 35 mm DIN rail mounting
	Operating temperature	-20°C ~ +70°C
	Storage temperature	-40°C ~ +85°C
	Relative humidity	5% ~ 95%
Type Approval	Environmental	IEC 60068-2-1:2007 @ -20 Deg For Cold IEC 60068-2-2:2007 @ +70 Deg For Dry Heat IEC60068-2-30 :2005 Damp Heat Cyclic
	EMI	CISPR 32:2019 Conducted Emission class A CISPR 32:2019 Radiated Emission class A
	EMS	IEC 61000-4-2:2008(ESD) Contact:4 kV; Air: 8 kV Level 2-Class B IEC 61000-4-3:2010(RS) 80 MHz to 6 GHz: 3 V/m Level 2-Class A IEC 61000-4-4:2021(EFT):Power: 0.5 kV;Signal:0.5 kV L2-Class B IEC 61000-4-5:217 Surge: Power:1.0 kV; Signal:0.5 kV L2-Class B IEC 61000-4-6:2013 CS: 3V Class A

## Ordering Information

DYNA - 2100	Dual-SIM VPN IIoT Router supporting 2xSIM, 2xEth, 1xDI, 1xDO, 1xRS232 or 1xRS485,9~36VDC Power Input, DIN Rail Mounted
ADP - 12W D12 (Open)	230V AC to 12 V DC ,1 Amp Power Adaptor with Open wire for DC O/P