InRouter 700 Series

InRouter 700 Series are rugged industrial cellular routers which are designed to transmit serial/Ethernet data to customers' data center through UMTS/GSM mobile networks. The routers are light-weighted and compact-designed products combined with rich features. Meanwhile, based on professional industrial chip design, InRouter 700 series are capable to work robustly in harsh outdoor circumstances.

InRouter 700 series also support several VPN technologies to ensure security, including standard IPSec/PPTP/L2TP/GRE/SSL VPN. Besides, the routers provide convenient remote management via CLI and webpage, which significantly reduce maintenance cost. Moreover, with customization services, InRouter 700 series can benefit customers by high scalability, on-demand service and efficient networking solutions for unattended field applications.

With high performance for years, InRouter 700 series get highly recognized by high-end customers including GE Healthcare, Siemens Traffic, Schneider Electric, Rockwell Automation, SKF, Vestas, China State Grid, etc.

**Overview**

**Cellular WAN Interface**
- Universal UMTS/HSDPA 850/900/1800/1900/2100 MHz
- GSM/GPRS: 850/900/1800/1900 MHz
- CDMA/EVDO 450MHz
- Authentication Method: CHAP/PAP
- SIM Card: 3V, flip SIM card, Anti-dismantlement

**LAN Interface**
- 1/4 RJ45 Ports Optional
- Auto Adaption: 10M/100M Ethernet auto-adaptive
- MDI/MDI-X auto crossover
- Isolation Protection: 1.5KV isolation protection

**Serial Port (RS232/485 optional)**
- 1200-115200 bit/s Parity, 1.5kV ESD Protection
- Protocols: MODBUS TCP | Transparent TCP | Virtual COM

**Environmental**
- Temperature: Operation: -25~70°C (-13~158°F)
- Storage: -40~85°C (-40~185°F)
- Humidity: 5% ~ 95%, non-condensing
- Protection Level: IP30
- Power Input: 12 to 48V DC, Industrial Terminal Block

**EMI Immunity**
- ESD: EN61000-4-2, level 4
- Surge Protection: EN61000-4-5, level 3
- EFT: EN61000-4-4, Level 4
- RF: EN61000-4-3, level 3
- RC: EN61000-4-6, level 3
- Oscillatory Wave Immunity: EN61000-4-12, level 3
- Variation Magnetic Field Immunity: EN61000-4-8, level 5

**Safety Certificate**
- Electric Strength: DC500V imposed on communication lines to ground and on power lines to ground, resistance >15MΩ

**Network Operation Stable Service**
- Built-in hardware watchdog, self-recovery
- PPP link detection disaster self-recovery
- VPN connections disaster self-recovery
- Professional upgrades mechanism, assure upgrade safety
**Configuration**
DB9 Console port, SSH, Telnet, and Web configuration

**Upgrade**
Remote upgrade and web upgrade, utilizing redundant backup mechanism for worry-free upgrade

**Network Function**
Network Address Translation (NAT) and Port Address Translation (PAT)
Deny illegitimate host access

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**Firewall**
State Packet Inspection (SPI), multicast filtering, PING packet filtering, DoS attack preventing

**Network Protocols**
ICMP, IP, TCP, UDP, DHCP, PPP, ARP, Telnet, DNS, SSH, VRRP, HTTP, HTTPS, VPN (IPSec/PPTP/L2TP/GRE/SSL VPN)

**Warranty**
Warranty Period: 3 years

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**Dimensions (Unit: mm)**

**Standard Model (L×W×H=100×46×110)**

**Four Ethernet Port Model (L×W×H=100×46×130)**

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**Interfaces**

**DB9↔RJ45 (for Console port)**

**Terminal Block Interface**

V+ 12-48V DC positive
V- 12-48V DC negative
NC None connect
TXD/485- RS232 TX or RS485-
RXD/485+ RS232 RX or RS485+
GND Digital ground

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**Order Information**

**Optional Functions**
Network: UMTS/HSUPA | GPRS | EVDO 450MHz
Ethernet Port No.: 1 | 4 optional
(4 ports model also support cable WAN access)

**Serial Interfaces:** RS232 | 485 optional

**VPN:** no VPN | Standard VPN (IPSec/PPTP/L2TP/GRE) | Advanced VPN (IPSec/PPTP/L2TP/GRE/SSL VPN)