

# Industrial Routing

## 6944-Dual SIM 4G with Wi-Fi



### Industrial Dual SIM LTE / 4G Router

- 4 x 10/100Mbps Ethernet Ports
- 2 x 2MIMO 300Mbps Wi-Fi
- Wireless Mesh Networking
- IEEE 802.11b/g/n, Access Point (AP), Client
- RS232 and RS485 Serial Ports
- MODBUS Support
- 2 Digital Input, 2 Digital Output ports
- Static and Dynamic Routing
- 5 x IP Sec, Open VPN & GRE Tunnels
- Operates from -40C ~ +75C

The Case Communications 6944 is an Industrial Cellular router with dual LTE/4G/3G/2G SIMS allowing it to operate reliably in harsh conditions.

The 6944 is equipped with 4 x 10/100Mbps Ethernet ports as well as Wi-Fi operating up to 300Mbps. An RS232 and RS 485 port allow connectivity for serial devices and 2 digital input and 2 digital output ports allow remote control of devices such as door catches or relays.

The 6944 is designed to support SCADA systems for industrial control.

### SPECIFICATIONS

#### CELLULAR

**4G(LTE)**  
**AU&NZ:** B1/B2/B3/B4/B5/B7/B28, B40  
**EMEA:** B1/B3/B5/B7/B8/B20, B38/B40/B41  
**America:** B2/B4/B12/B13  
**Japan:** B1/B3/B8/B18/B19/B26, B41  
**China:** B1/B3/B8, B34/B38/B39/B40/B41  
**WCDMA:** B1/B2/B4/B5/B8/B19  
**TD-SCDMA:** B34/B39  
**GSM/EDGE:** B2/B3/B5/B8

#### Frequency Bands

#### SIM

#### SIM failover

#### Auto APN List Mobile Quota Control

#### Number of Antennas Connectors

2 x SIM slots, 1.8V / 3V  
 Auto-switch cases: data limited, SMS limited, no network, network denied, data connection fail  
 Operator APN list  
 Set up customized data limits for both SIM cards  
 2 (MAIN + AUX)  
 SMA female

#### ETHERNET

**Number of Ports** 4 x 10/100Tx ports  
**Port Types** Auto 10/100 Mbps, auto MDI/MDIX  
**Magnet Isolation Protection** 1.5 KV  
**Wi-Fi**  
**Wi-Fi Mode** IEEE 802.11b/g/n, Access Point (AP), Client  
**Wireless Data Rate** 2\*2 MIMO, 300 Mbps  
**Wireless Security** WPA, WPA2, WEP, CCMP, TKIP  
**Frequency Bands** 2.412 - 2.484 GHz (2.4 GHz ISM band)  
**Antennas** 2 x RP-SMA for Wi-Fi antenna connectors

#### SERIAL

**Number of ports** 1 x RS-232 (3 PIN) + 1 x RS-485  
**Connector** Terminal block  
**ESD Protection** ± 15 KV  
**Baud rate** 300bps to 115200bps

FACT SHEET

# Industrial Routing

## 6944-Dual SIM 4G with Wi-Fi



### DIGITAL INPUT & OUTPUT

Type	2 x DI + 2 x DO
Connector	Terminal block
Isolation	3KVDC or 2KVrms
Absolute maximum	36VDC
Absolute maximum	100 mA

### VIRTUAL PRIVATE NETWORKS

Open VPN	Open VPN Client, supports up to 5 x Open VPN tunnels
IP Sec	IKEv1, IKEv2, supports up to 5 IP Sec VPN Tunnels
GRE	Layer 2 & Layer 3, supports up to 5 x GRE VPN Tunnels
DMVPN	Dynamic Multipoint Virtual Private Networking DMVPN

### MONITORING & MANAGEMENT

Web GUI	HTTP/HTTPS, firmware upgrade
Command Line Interface	SSHv2 & Telnet
SNMP (Pending)	SNMP v1, v2, v3, SNMP traps

### HARDWARE SPECIFICATIONS

#### POWER

Connector	3 pin, 3.5mm female socket with lock
Input voltage	9 ~ 48vdc.
Power Consumption	Data Link:400mA (Peak) at 12vdc Idle: 100mA@12vdc

#### APPROVALS

EMI	EN 55032:2012 Class B
EMS	IEC 61000-4-2 ESD: Level 4 IEC 61000-4-3 RS: Level 3 IEC 61000-4-4 EFT: Level 3 IEC 61000-4-5 Surge: Level 3 IEC 61000-4-6 CS: Level 3
Vibration	EN 50155

Routing	Static, Dynamic, (Ripv1/v2) OSPF, BGP
Network Protocols	TCP, UDP, IPv4, ICMP, NTP, HTTPS, ARP, VRRP, PPP, PPPoE, DHCP
Connection Manager	Ping Detection, Timer Reboot, ICMP for link detection
DHCP	Static & Dynamic IP allocation
DDNS	Automatic and manual Configuration
Network Back-Up	Cellular, Wired, Wi-Fi WAN options Flexible access control of TCP, UDP, ICMP packets, MAC Address filter
Firewall	
SMS	SMS Configuration, SMS Gateway, SMS Notification

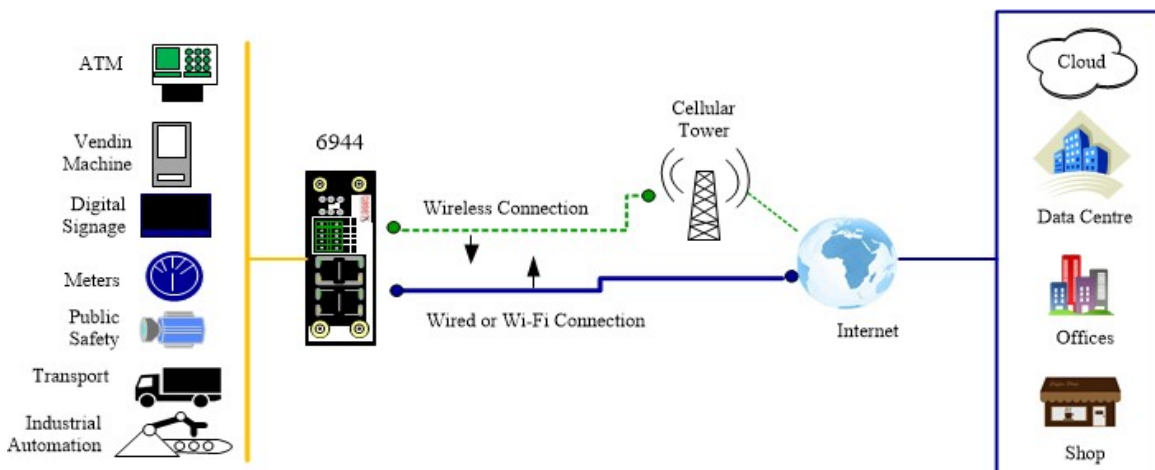
### NETWORKING

### HOUSING AND PHYSICAL

Watchdog timer	Built in watchdog timer
LEDS	System, Network, USR, RSSI x 3
Reset Button	Reset / restore to factory default
Ingress Protection	IP 30
Housing & weight	Metal: 300g
Dimensions	106mm x 106mm x 40mm
Installation	DIN-Rail Mounting

### ENVIRONMENTAL

Operating Temperature	-40°C to +75°C
Operating Humidity	5% to 95% non-condensing



### Ordering Information

Part Number	Description
6944	Dual SIM 4G LTE, 4 Eth, 1 x RS232 (3 Pin), 1 x RS485, 2 DI, 2 x DO, 9-48vdc, -40C~+75C
48vdc-230vac-70w	Optional 115~ 240vac to 48vdc 70 Watts Power Supply