

Product Features

- Compact Industrial VPN Router
- Dual SIM
- IP30 Protection Rating
- Cat4 or CatM1/NB-IoT Cellular
- CE, FCC, PTCRB, IC, Verizon, AT&T
- Operating Temperature (-20 to +70°C)



The Intwine Connected Gateway (ICG) is a single purpose industrial networking device with routing and basic connectivity that provides lower-level, physical layer gateway functionality. The integrated 802.11bgn solution allows the gateway to serve as a WiFi access point (AP) or as a client to an existing Wi-Fi infrastructure, and the 4G LTE WAN can be configured as the primary WAN or as a network backup to an existing infrastructure. A fleet of deployed ICGs can be controlled and monitored using the Intwine Remote Management Portal, with the ability to monitor, control, and automate heterogeneous networks.

Standard Hardware

The ICG 150 is an EMC level 2 router with standard over-current protection and plug and play simplicity for connecting local devices to the Internet and/or an intranet, and many applications across multiple industries. Equipped with LTE failover, dual SIM, and an IP30 protection rating, this device is especially suited for industrial use in harsh environments and unattended locations for critical applications.

Standard configuration includes:

- 580MHz Processor
- 128MB DDR2 RAM
- Dual-SIM for multi-carrier fallback
- Two 10/100 Ethernet ports with 1.5KV network isolation transformer protection
- Embedded 4G LTE Cat.6 cellular radio
- Integrated MIMO 802.11bgn 2.4GHz
- A locally hosted configuration page for customization of LAN and WAN interfaces
- Supports all North American cellular carriers, with capability available for Europe, the Middle East, Africa, Asia-Pacific, and India

Software

The ICG 150 standard software consists of a complete IP networking stack including QoS Management, VRRP hot backup, port mapping, configurable firewall, with end-to-end security supporting PPTP, L2TP, GRE, IPSEC VPN (IKEv1, IKEv2), OpenVPN protocols, and CA digital certificates.

Antenna

Supports APN, VPDN, PrivateNetwork access for GSM/GPRS/EDGE, UMTS/HSPA+/EVDO/TD-SCDMA, TDD LTE/FDD LTE network types.

Cellular Radio: Gemalto PLAS9-X CAT 6	
Penta Band LTE	700/700/850/AWS (1700/2100)/1900 MHz; FDD-Band (13,17,5,4,2)
Tri Band UMTS (WCDMA)	850/AWS (1700/2100)/1900 MHz; FDD-Band (5,4,2)
Quad Band GSM/GPRS/EDGE	850/900/1800/1900 MHz



Specifications



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