

Intwine Connect Gateway – ICG 150 Series



The Intwine Connect Gateway 150 (ICG-150) is a streamlined, affordable choice for most business & environments. The ICG-150 delivers reliable cellular LTE internet connectivity, as either primary or reliable backup. Popular uses include point-of-sale system failover, branch location primary or backup connectivity, small office primary internet, as well as remote work or remote student learning.

The integrated 802.11bgn solution allows this compact 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 backup internet connection. The connectivity device drops into your existing network for scalable connectivity, and allows for remote administration at the click of a button.

Product Features

- LTE Internet Connectivity
- Wi-Fi 802.11bgn 2.4GHz
- Dual SIM
- Dual ethernet ports
- VPN end-to-end encryption
- Configurable monitoring & notifications

Hardware

The ICG-150 is designed for plug and play simplicity and standard over-current protection. For connecting your business 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 critical business infrastructure. Standard configuration includes:

- 580MHz Processor / 128MB DDR2 RAM
- Dual-SIM for multi-carrier fallback / Dual ethernet ports
- Embedded 4G LTE Cat.4 cellular radio
- Integrated MIMO 802.11bgn 2.4GHz
- Locally hosted, configurable LAN and WAN interfaces
- 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



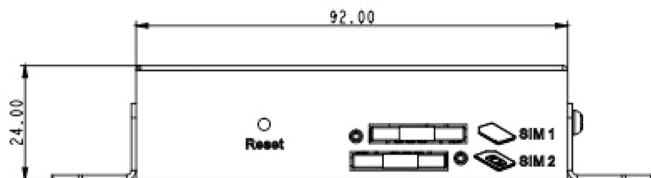
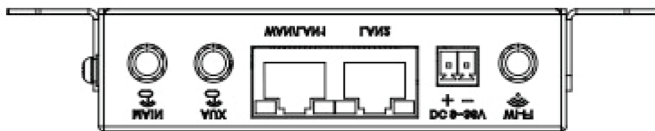
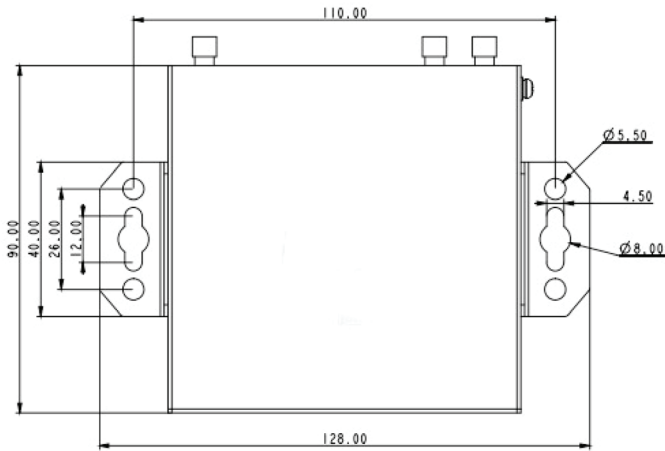
Software

The ICG 150 supports VPN security and content filtering. Standard software includes a complete networking bundle, including Quality of Service, configurable firewall, and end-to-end encryption with OpenVPN protocols, and CA digital certificates. Configurations available for notifications, logging, and monitoring.

Connectivity

Reduce operational costs while benefiting from increased centralized security, monitoring, and logging. Stay on top of your network with realtime custom notifications.

Dimensional Drawings



Specifications

Platform	
Processor	580MHz
Flash Memory	32MB SPI
DRAM Memory	128MB DDR2
Interfaces	
Ethernet	10/100 Mbps (2 ports)
SIM	2FF (2 SIM Slots)
WiFi	IEEE 802.11b/g/n 150Mbps
LTE CAT4	
FDD	B2/B4/B5/B12/B13/B14/B66/B71
WCDMA	B2/B4/B5
Power	
Source	DC9-36V 2 PIN industrial terminal block
Consumption	< 0.2 Watts – Typical, < 0.25 Watts - Peak
Mechanical	
Dimensions	90 x 90 x 25mm
Enclosure	Metal, IP30, fanless
Temperature & Humidity	-20 to +70 C Operating -40 to +85 C Storage 5-95% humidity (non-condensing)
Cellular Radio: Quectel EC25-AF CAT 4	
Penta Band LTE	700/700/850/AWS (1700/2100)/1900 MHz; FDD-Band (B2/B4/B5/B12/B13/B14/B25/ B66/B71)
Tri Band UMTS (WCDMA)	850/AWS (1700/2100)/1900 MHz; FDD-Band (B2/B4/B5)
Quad Band GSM/GPRS/EDGE	850/900/1800/1900 MHz
Physical	
Shockproof	IEC60068-2-27
Vibration Resistance	IEC60068-2-6
Free Fall	IEC60068-2-32
EMC	
Power Frequency Magnetic Field Resistance	EN61000-4-8, horizontal vertical 400A/m (>level 2)
Radiation Electric Field	EN61000-4-3, level 2
Pulsed Electric Field	EN61000-4-4, level 2
Conducted Disturbance Immunity	EN61000-4-6, level 2
Shock Wave Resistance	EN61000-4-12, level 2
Static	EN61000-4-2, level 2
Surge	EN61000-4-5, level 2
Certifications	
CE, FCC, PTCRB, IC, Verizon, AT&T	