



Product Description

The KBC ThruLink™ Series 3rd generation is an **industrial-grade hardware VPN gateway** engineered to deliver secure, reliable connectivity across public and private IP networks in **remote, harsh, and mission-critical environments**.

Designed for deployment in non-conditioned locations, ThruLink enables encrypted communication across complex network infrastructures, including those behind firewalls and NAT devices, without requiring network reconfiguration or fixed public IP addresses.

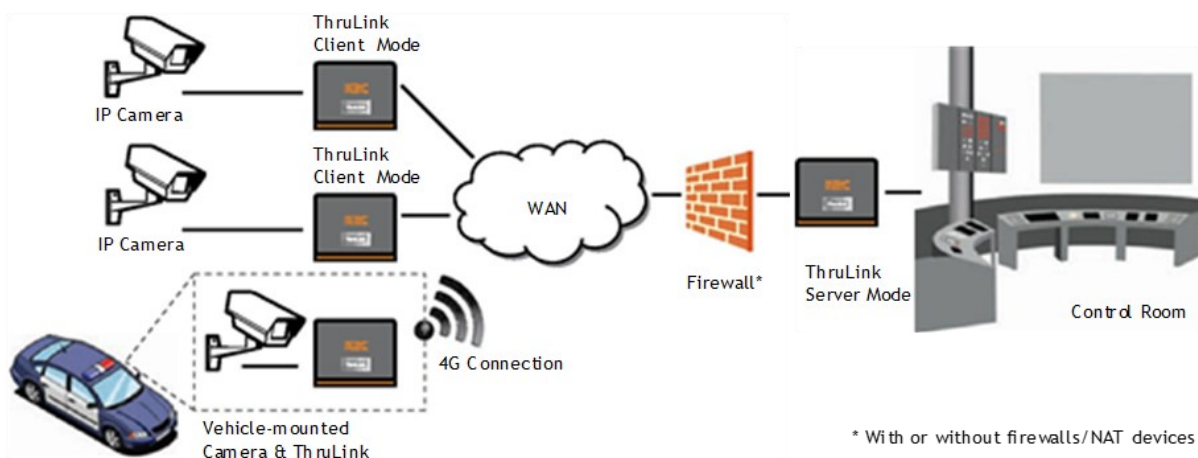
With integrated 4G LTE connectivity and support for dynamic mesh networking, ThruLink ensures **resilient, always-on communication** for distributed systems and critical infrastructure.



Product Features

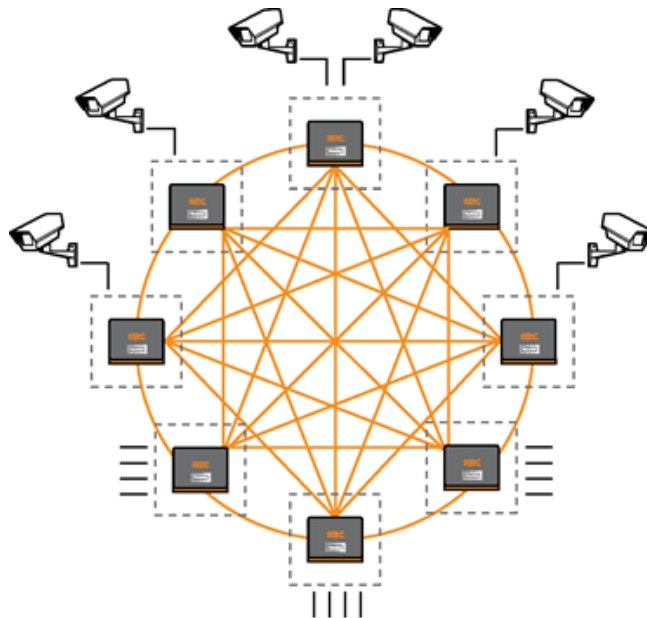
- Industrial-grade design for operation in non-conditioned environments
- Encrypted communication supporting up to 256bit encryption ciphers
- Throughput: High Capacity 100Mbps, High Capacity Plus 200Mbps
- Optimized for video transmission and supports all IP traffic
- Operates over any public or private IP network, including 4G/LTE
- Dynamic mesh networking with no central server requirement
- Multiple failover options for network resilience
- Simple and rapid deployment with no changes to existing networks
- Easy-to-use graphical user interface (GUI)
- Integrated diagnostic tools (traffic monitoring, ping function)
- IPv4 and IPv6 support
- DHCP service on LAN port

Typical System Configuration



Meshed System Configuration

ThruLink enables the creation of a fully meshed, end-to-end encrypted network allowing direct communication between remote sites, elimination of centralized authentication servers and increased redundancy and network resiliency.



Specifications

ThruLink 3rd Generation, High Capacity (HC), High Capacity Plus (HP)

Throughput

High Capacity	100Mbps
High Capacity Plus	200Mbps

Encryption

AES: 128/192/256bit
 Blowfish: 128/192/256bit
 Camellia: 128/192/256bit
 SHA1, SHA256⁽¹⁾
 RSA: 2048
 FIPS 140-2⁽²⁾

Environmental

Operating Temperature	-30° ~ +75°C / -22° ~ 167°F
Extended Temperature	-40° ~ +85°C / -40° ~ 185°F
Operating Humidity	0 to 95% non-condensing
Mean Time Between Failure (MTBF)	> 100,000 Hours

Mechanical

Dimensions (L x W x H)	106.6mm x 170mm x 64.4mm / 4.20" x 6.69" x 2.54"
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Connectors

10/100/1000M Ethernet	2 x RJ45
4G	2 x SMA (male)
Power	Terminal block

Management User Interface

Web GUI

Antennas

Please contact KBC Networks for details

Power

Input Voltage	12-54 volts (normal: 24v)
Consumption	5 watts

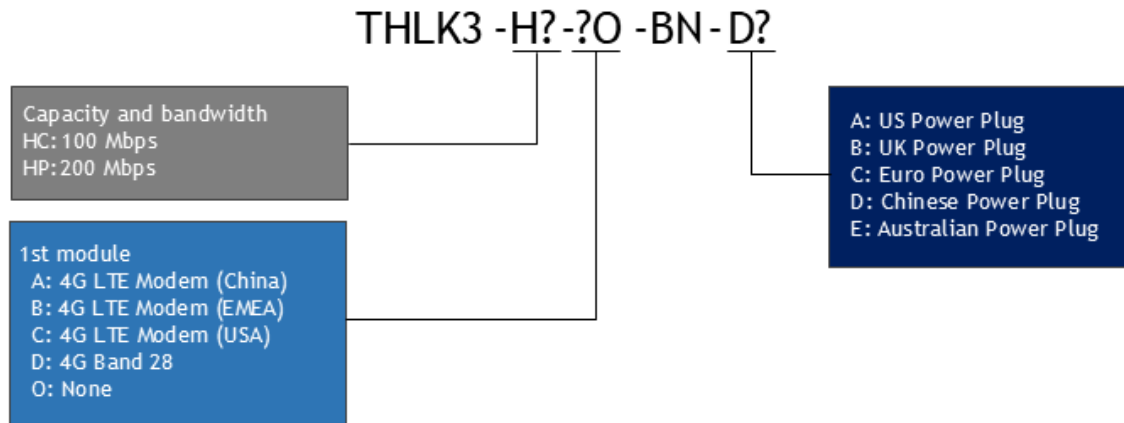
4G LTE

EMEA/Korea/Thailand	LTE-TDD B38/B40/B41 LTE-FDD B1/B3/B5/B7/ B8/B20 UMTS/HSPA+ B1/B5/B8 GSM/GPRS/EDGE 900/ 1800MHz	Australia/N. Zealand/S. America	LTE-TDD B40 LTE-FDD B1/B2/B3/B4/B5/B7/ B8/B28 UMTS/HSPA+ B1/B2/B5/B8 GSM/GPRS/EDGE 850/900/ 1800/1900MHz
EMEA/Korea/Thailand with Band28	LTE-TDD B38/B40/B41/B28 LTE-FDD B1/B3/B5/B7/ B8/B20/B28 UMTS/HSPA+ B1/B5/B8/B28 GSM/GPRS/EDGE 700/900/ 1800MHz	Japan	LTE-FDD B1/B3/B8/B18/B19/B26
North America	LTE-FDD B2/B4/B12 UMTS/HSPA+ B2/B5	Global	LTE-TDD B34/B38/B40/B41 LTE-FDD B1/B2/B3/B4/B5/B7/B8/B12/B13 B18/B19/B20/B25/B26/B28/B66 UMTS/HSPA+ B1/B2/B4/B5/B6 B8/B19 GSM/GPRS/EDGE 850/900/1800/1900MHz
Verizon	LTE-FDD B2/B4/B5/B13		

Regional Frequency Bands

Every region uses different frequencies and duplexing bands that comply with local wireless licensing regulations. This has resulted in a range of KBC ThruLink LTE models that are tuned to comply with regional frequencies, protocols, power and duplexing. If you are using any private certified frequencies that are not available in your region, please contact a KBC representative.

Part Number Configurator



- (1) Automatically set depending on the encryption type used.
- (2) Please contact KBC for a FIPS-compliant encryption library.
- (3) Please request the region requirement when placing your order.

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