

# OnCell G3470A-LTE 系列

## 工業級 LTE Cat 3 行動通訊閘道器



### 特色與優點

- LTE 頻段支援，歐盟型號：2100/1800/2600/900/800 MHz (B1/B3/B7/B8/B20)
- LTE 頻段支援，美國型號：1900/AWS/850/700/700/1900 MHz (B2/B4/B5/B13/B17/B25)
- 內建高速 4 埠乙太網路交換器
- 工業級設計，具備雙電源輸入，內建支援 relay DI/DO
- 提供雙 SIM 卡 GuaranLink 支援的行動通訊連結備援
- 天線和電源隔離保護，有效防護干擾

### 認證



### 簡介

Moxa 的 OnCell G3470A-LTE 乙太網路 IP 閘道器支援 LTE 頻段，為行動通訊應用提供更高的行動通訊頻寬和更可靠的乙太網路連線。藉由整合式 4 埠 Gigabit 乙太網路交換器和 LTE 支援，OnCell G3470A-LTE 可提供更快的行動通訊連線，同時降低整體擁有成本。為了提高可靠性，對於工業使用者的極為重要的 OnCell G3470A-LTE 提供電源和天線輸入的隔離。由於最高級別的 EMS 和寬溫度支援，OnCell G3470A-LTE 在任何嚴苛環境中都達到最高層級的裝置穩定性。此外，OnCell G3470A-LTE 具有雙 SIM 卡和雙電源輸入功能，因此提供網路備援，確保您的應用連線不中斷。

### 多波段支援

- 歐盟型號：2100/1800/2600/900/800 MHz (B1/B3/B7/B8/B20)
- 美國型號：1900/AWS/850/700/700/1900 MHz (B2/B4/B5/B13/B17/B25)

### 隔離與備援設計

- 雙電源輸入提供電源備援
- 支援雙 SIM 之行動通訊連接備援
- 天線隔離設計有效防護微波干擾
- 電源隔離設計為電源提供絕緣保護
- GuaranLink 帶來更可靠的行動通訊連接

### 規格

#### Cellular Interface

Cellular Standards	GSM, GPRS, EDGE, UMTS, HSPA, LTE CAT-3
Band Options (EU)	LTE Band 1 (2100 MHz) / LTE Band 3 (1800 MHz) / LTE Band 7 (2600 MHz) / LTE Band 8 (900 MHz) / LTE Band 20 (800 MHz) UMTS/HSPA 2100 MHz / 1900 MHz / 850 MHz / 800 MHz / 900 MHz
Band Options (US)	LTE Band B2 (1900 MHz) / LTE Band B4 (AWS) / LTE Band B5 (850 MHz) / LTE Band B13 (700 MHz) / LTE Band B17 (700 MHz) / LTE Band B25 (1900 MHz) UMTS/HSPA 2100 MHz / 1900 MHz / AWS / 850 MHz / 900 MHz Universal quad-band GSM/GPRS/EDGE 850 MHz / 900 MHz / 1800 MHz / 1900 MHz
LTE Data Rate	20 MHz bandwidth: 100 Mbps DL, 50 Mbps UL 10 MHz bandwidth: 50 Mbps DL, 25 Mbps UL
HSPA Data Rates	42 Mbps DL, 5.76 Mbps UL

EDGE Data Rates	237 kbps DL, 237 kbps UL
GPRS Data Rates	85.6 kbps DL, 42.8 kbps UL
No. of SIMs	2
SIM Control Voltage	3 V
Cellular Antenna Connectors	2 SMA female

#### Ethernet Interface

Total Port Count	4
10/100/1000BaseT(X) Ports (RJ45 connector)	4

#### Ethernet Software Features

Management	ARP, DDNS, DHCP server, DNS, HTTP, SMTP, SNMPv1/v2c/v3, TCP/IP, UDP, Telnet, Web Console, Serial Console, Remote SMS Control, Wireless Search Utility, OnCell Central Manager, GuaranLink
Security	HTTPS, IPsec, SSH
Firewall	Filter: MAC, IP protocol, port-based, Access IP list
Routing	NAT, Port forwarding
Time Management	SNTP

#### IPsec VPN

Authentication	PSK/X.509/RSA
Encryption	DES, 3DES, AES, MD5, SHA-1, DH2, DH5

#### Input/Output Interface

Alarm Contact Channels	1, Relay output with current carrying capacity of 1 A @ 24 VDC
Digital Inputs	1 +13 to +30 V for state 1 3 to -30 V for state 0
Buttons	Reset button

#### LED Interface

LED Indicators	PWR1, PWR2, READY, FAULT, CELLULAR SIGNAL, SIM1, SIM2, 2G, 3G, 4G, GPS
----------------	--

#### GPS Interface

GPS Antenna Connector	1 SMA female, GPS (1575.42 MHz), GLONASS (1602 MHz)
-----------------------	---

#### Power Parameters

Input Current	0.7 A @ 12 VDC, 0.2 A @ 48 VDC
Input Voltage	12 to 48 VDC, Redundant dual inputs
Power Connector	Terminal block
Reverse Polarity Protection	Supported

#### Physical Characteristics

Housing	Aluminum
IP Rating	IP30

Dimensions	66.3 x 124 x 90 mm (2.61 x 4.88 x 3.54 in)
Weight	1,300 g (2.87 lb)
Installation	DIN-rail mounting

#### Environmental Limits

Operating Temperature	Standard Models: -30 to 55°C (-22 to 131°F) Wide Temp. Models: -30 to 70°C (-22 to 158°F)
Storage Temperature (package included)	-40 to 85°C (-40 to 185°F)
Ambient Relative Humidity	5 to 95% (non-condensing)

#### Standards and Certifications

Safety	UL 60950-1
EMC	EN 61000-6-2/-6-4
EMI	CISPR 22, FCC Part 15B Class A
EMS	IEC 61000-4-2 ESD: Contact: 8 kV; Air: 15 kV IEC 61000-4-3 RS: 80 MHz to 1 GHz: 10 V/m IEC 61000-4-4 EFT: Power: 2 kV; Signal: 1 kV IEC 61000-4-5 Surge: Power: 1 kV; Signal: 1 kV IEC 61000-4-6 CS: 10 V IEC 61000-4-8 PFMF
Radio Frequency	FCC ID N7NMC7355, EN 301 489-1, EN 301 489-7, EN 301 511

#### MTBF

Time	327,326 hrs
Standards	Telcordia SR332

#### Warranty

Warranty Period	5 years
Details	See <a href="http://www.moxa.com/tw/warranty">www.moxa.com/tw/warranty</a>

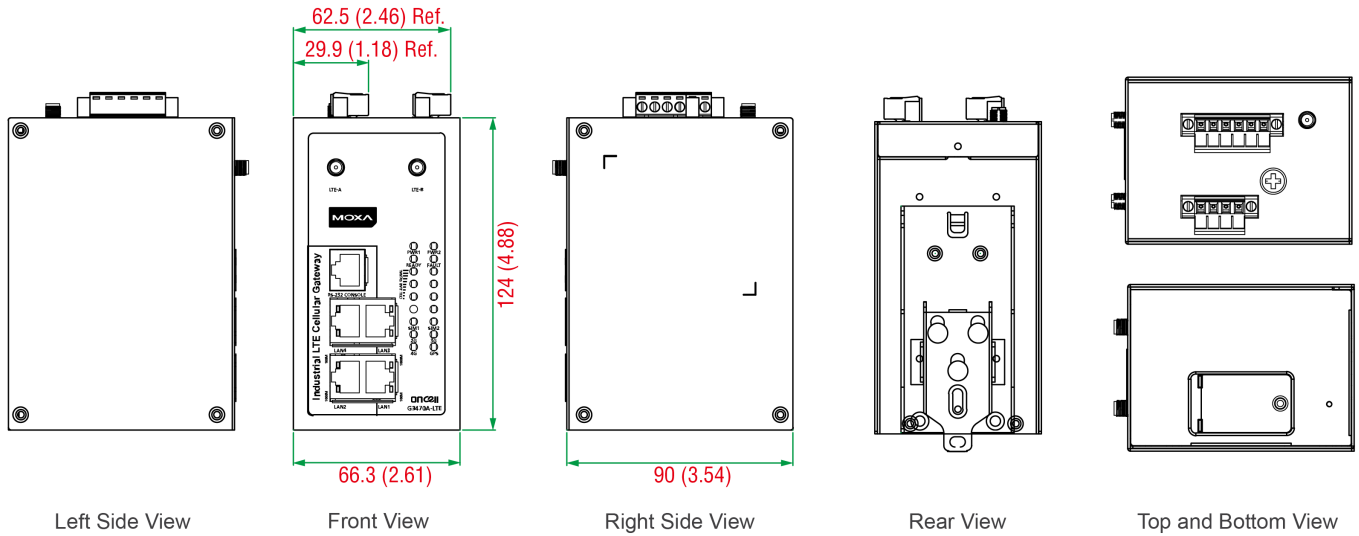
#### Package Contents

Device	1 x OnCell G3470A-LTE Series LTE cellular gateway <sup>1</sup>
Installation Kit	1 x DIN-rail kit
Antenna	2 x UMTS/LTE
Terminator	1 x GPS connector terminator
Accessory	5 x plastic RJ45 protective caps for serial console and Ethernet ports
Documentation	1 x quick installation guide 1 x warranty card

1. 已啟動的 SIM 卡 (未隨附) 必須由第三方蜂巢式網路服務供應商提供。

## 尺寸

Unit: mm (inch)



## 訂購資訊

Model Name	Cellular Standard	LTE Band	Operating Temp.
OnCell G3470A-LTE-US	4G LTE	US Band (B2/B4/B5/B13/B17/B25)	-30 to 55°C
OnCell G3470A-LTE-US-T	4G LTE	US Band (B2/B4/B5/B13/B17/B25)	-30 to 70°C
OnCell G3470A-LTE-EU	4G LTE	EU Band (B1/B3/B7/B8/B20)	-30 to 55°C
OnCell G3470A-LTE-EU-T	4G LTE	EU Band (B1/B3/B7/B8/B20)	-30 to 70°C

## 配件 (選購)

### Antennas

ANT-LTEUS-ASM-01	GSM/GPRS/EDGE/UMTS/HSPA/LTE, omni-directional rubber duck antenna, 1 dBi
ANT-LTE-ASM-02	GPRS/EDGE/UMTS/HSPA/LTE, omni-directional rubber duck antenna, 2 dBi
ANT-LTE-ANF-04	GSM/GPRS/EDGE/UMTS/HSPA/LTE, omni-directional outdoor antenna, 4 dBi, IP66
ANT-GPS-CSM-03-3m	Passive GPS antenna, 3 dBi, 1572 MHz

### Wireless Antenna Cables

A-CRF-SMSF-R3-100	Cellular magnetic base, SMA connector, 1 m
CRF-SMA(M)/N(M)-300	N-type (male) to SMA (male) CFD200 cable, 3 m

### Mounting Kits

WK-51-01	Wall mounting kit with 2 plates (51.6 x 67 x 2 mm) and 6 screws
----------	---

© Moxa Inc. 版權所有.2020 年 12 月 16 日更新。

未經 Moxa Inc. 明確書面許可，不得以任何方式複製或使用本文件及其任何部分。產品規格如有變更，恕不另行通知。請至本公司官網了解最新的產品資訊。