

OnCell 5104-HSPA 系列

工業級 GSM/GPRS/EDGE/UMTS/HSPA 高速行動通訊路由器



特色與優點

- 五頻 UMTS/HSPA 800/850/AWS/1900/2100 MHz
- 四頻 GSM/GPRS/EDGE 850/900/1800/1900 MHz
- 行動通訊 WAN和乙太網路 WAN 備份機制，實現完整的路徑備援
- 提供主要與次要電源雙電源輸入備援
- 提供雙 SIM 卡 GuaranLink 支援的行動通訊連結備援
- DIN 導軌外殼和壁掛式外殼
- 透過整合式 VPN 連接到 4 個 10/100BaseT (X) 裝置
- 2 個數位輸入和 1 個繼電器輸出
- 配備 OnCell Central Manager 的集中式私有 IP 管理軟體

認證



簡介

OnCell 5104-HSPA 高效能工業級行動通訊路由器最多允許 4 個基於乙太網路的裝置同時使用單一行動通訊資料帳戶，進行與遠端站點和裝置的主要或備份網路連線。其在一台裝置中提供行動通訊路由器、防火牆和交換器的功能，並與 Moxa 的 GuaranLink 功能整合，藉以確保零資料遺失和依照需求的行動通訊。

OnCell 5104-HSPA 提供內建繼電器輸出，可配置為在現場通知或警告工程師時指示事件的優先順序，兩個數位輸入可供您將基本 I/O 裝置（例如感測器）連接到行動通訊網路。OnCell 5104-HSPA 使用 12 至 48 VDC 電源輸入，採用旋入式設計而提高可靠性，乙太網路連接埠具有 1.5 kV 電磁隔離保護，可確保系統避免意外突波衝擊。

規格

Cellular Interface

Cellular Standards	GSM, GPRS, EDGE, UMTS, HSPA
Band Options	UMTS/HSPA 800 MHz / 850 MHz / AWS MHz / 1900 MHz / 2100 MHz Universal quad-band GSM/GPRS/EDGE 850 MHz / 900 MHz / 1800 MHz / 1900 MHz
HSPA Data Rates	14.4 Mbps DL, 5.76 Mbps UL
EDGE Data Rates	237 kbps DL, 237 kbps UL
EDGE Multi-Slot Class	12
EDGE Terminal Device Class	Class B
GPRS Data Rates	85.6 kbps DL, 85.6 kbps UL
GPRS Multi-Slot Class	12
GPRS Terminal Device Class	Class B
No. of SIMs	2

SIM Control Voltage	3 V
Cellular Antenna Connectors	1 SMA female

Ethernet Interface

10/100BaseT(X) Ports (RJ45 connector)	5
Total Port Count	5
Highest Speed	100M
Note	One of the Ethernet ports is a WAN port.

Serial Interface

Console Port	RS-232 (TxD, RxD, GND), 8-pin RJ45 (115200, n, 8, 1)
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Input/Output Interface

Alarm Contact Channels	1, Resistive load: 1 A @ 24 VDC
Digital Input Channels	2
Digital Inputs	+13 to +30 V for state 1 +3 to -30 V for state 0

Ethernet Software Features

Management	ARP, BOOTP, DDNS, DHCP Server/Client, DNS, PPPOE, PPP, HTTP, IPv4, SMTP, SNMPv1/v2c/v3, TCP/IP, Telnet, UDP, Web Console, Serial Console, Telnet Console, Remote SMS Control, Wireless Search Utility, Auto IP Report, OnCell Central Manager
Security	HTTPS/SSL, IPsec, SSH
Time Management	SNTP
Routing	Static Route, Port forwarding, NAT
Windows Real COM Drivers	Windows 95/98/ME/NT/2000, Windows XP/2003/Vista/2008/7/8/8.1/10 (x86/x64), Windows 2008 R2/2012/2012 R2 (x64), Windows Embedded CE 5.0/6.0, Windows XP Embedded

Firewall

Filter	ICMP
Firewall	WAN IP Filtering

Physical Characteristics

Housing	Aluminum
IP Rating	IP30
Dimensions	51 x 135 x 103 mm (2 x 5.32 x 4.16 in)
Weight	650 g (1.43 lb)

Environmental Limits

Operating Temperature	OnCell 5104-HSPA: -30 to 55°C (-22 to 131°F) OnCell 5104-HSPA-T: -30 to 70°C (-22 to 158°F)
Storage Temperature (package included)	-40 to 75°C (-40 to 167°F)
Ambient Relative Humidity	5 to 95% (non-condensing)

Power Parameters

Power Connector	Terminal block
Input Voltage	Redundant dual inputs, 12 to 48 VDC
Input Current	0.95 A @ 12 VDC, 0.25 A @ 48 VDC
Reverse Polarity Protection	Supported

Standards and Certifications

Safety	UL 60950-1
EMC	EN 55032/24
EMI	CISPR 32, 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: 4 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 Part 22H, FCC Part 24E, EN 301 489-1, EN 301 489-7, EN 301 489-24, EN 301 511, EN 301 908

MTBF

Time	483,175 hrs
Standards	Telcordia SR332

Warranty

Warranty Period	5 years
Details	See www.moxa.com/tw/warranty

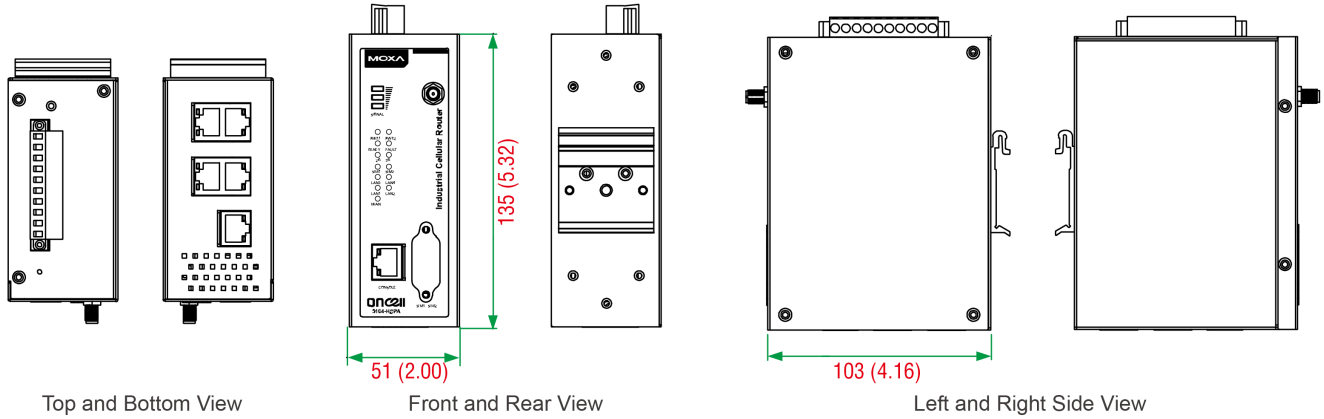
Package Contents

Device	1 x OnCell 5104-HSPA Series cellular router ¹
Installation Kit	1 x DIN-rail kit
Antenna	1 x UMTS/HSPA
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	HSPA Band	Operating Temp.	Mounting
OnCell 5104-HSPA	UMTS/HSPA	800/850/AWS/1900/2100 MHz	-30 to 55°C	DIN rail
OnCell 5104-HSPA-T	UMTS/HSPA	800/850/AWS/1900/2100 MHz	-30 to 70°C	DIN rail

配件 (選購)

Antennas

ANT-WCDMA-ANF-00	GSM/GPRS/EDGE/UMTS/HSPA, omni-directional outdoor antenna, 0 dBi
ANT-WCDMA-ASM-1.5	GSM/GPRS/EDGE/UMTS/HSPA, omni-directional rubber duck antenna, 1.5 dBi
ANT-WCDMA-AHSM-04-2.5m	GSM/GPRS/EDGE/UMTS/HSPA, omni-directional magnetic base antenna, 4 dBi
ANT-LTE-ANF-04	GSM/GPRS/EDGE/UMTS/HSPA/LTE, omni-directional outdoor antenna, 4 dBi, IP66
ANT-LTEUS-ASM-01	GSM/GPRS/EDGE/UMTS/HSPA/LTE, omni-directional rubber duck antenna, 1 dBi

Wireless Antenna Cables

A-CRF-SMSF-R3-100	Cellular magnetic-base SMA connector with 1-meter RF cable
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