

OnCell 5004/5104-HSDPA Series

Industrial five-band GSM/GPRS/EDGE/UMTS/HSDPA high speed routers



OnCell 5004-HSDPA Series

OnCell 5104-HSDPA Series

- > Universal tri-band UMTS/HSDPA 850/1900/2100 MHz
- > Quad-band GSM/GPRS/EDGE 850/900/1800/1900 MHz
- > GuaranLink and dual SIM redundancy for continuous cellular connections
- > Connect to 4 10/100BaseT(X) devices over an integrated VPN
- > Centralize private IP management with OnCell Central Manager
- > DIN-Rail and wall mountable housing
- > 2 digital inputs and 1 relay output (OnCell 5104-HSDPA only)



Overview

The OnCell 5004/5104-HSDPA are high-performance industrial grade cellular routers that allow up to 4 Ethernet-based devices to simultaneously use a single cellular data account for primary or backup network connectivity to remote sites and devices. Both products provide the functionality of a cellular router, firewall, and switch in one device, and to ensure zero data loss and on-demand cellular communication, the OnCell 5004/5104-HSDPA are integrated with the GuaranLink function. The difference between the OnCell 5004-HSDPA and OnCell 5104-HSDPA is that the OnCell 5104-HSDPA

comes with a built-in relay output that can be configured to indicate the priority of events when notifying or warning engineers in the field, and the two digital inputs allow you to connect basic I/O devices, such as sensors, to the cellular network. The OnCell 5004-HSDPA can be placed on a desktop or wall-mounted, whereas the OnCell 5104-HSDPA has an IA design and can be attached to a DIN-rail. Both products use 12 to 48 VDC power inputs with a screw-on design for greater reliability, and the Ethernet ports come with 1.5 KV magnetic isolation protection to keep your system safe from unexpected electrical discharges.

Specifications

Cellular Interface (OnCell 5004/5104-HSDPA)

Standards: GSM/GPRS/EDGE/UMTS/HSDPA

Band Options:

OnCell 5004/5104-HSDPA-JPS: 2100 MHz

OnCell 5004/5104-HSDPA-JPN: 800/2100 MHz

EDGE Multi-slot Class: Class 10

EDGE Terminal Device Class: Class B

GPRS Multi-slot Class: Class 10

GPRS Terminal Device Class: Class B

GPRS Coding Schemes: CS1 to CS4

Tx Power:

GSM900: 2 W

UMTS/HSDPA: 0.25 W

EDGE900: 0.5 W

EDGE1800: 0.4 W

GSM1800: 1 W

Cellular Interface (OnCell 5004/5104-HSDPA-JPS/JPN)

Standards: UMTS/HSDPA

Band Options: 2100 MHz

Tx Power: UMTS/HSDPA: 0.25 W

WAN Interface

Number of Ports: 1

Ethernet: 10/100 Mbps, RJ45 connector, Auto MDI/MDIX

Magnetic Isolation Protection: 1.5 KV built-in

LAN Interface

Number of Ports: 4

Ethernet: 10/100 Mbps, RJ45 connector, auto MDI/MDIX

Magnetic Isolation Protection: 1.5 KV built-in

SIM Interface

Number of SIMs: 2

SIM Control: 3 V

I/O Interface (OnCell 5104-HSDPA)

Alarm Contact: 1 relay output with current carrying capacity of 1 A @ 24 VDC

Digital Inputs: 2 electrically isolated inputs

• +13 to +30 V for state "1" (On)

• +3 to -30 V for state "0" (Off)

Software

Network Protocols: UDP/TCP, SNMP, ICMP, DDNS, DHCP/BOOTP, PPPoE, PPP, DNS Relay, HTTPS, Telnet, IPsec

Router/Firewall: NAT, port forwarding, static routing

Authentication: Local user-name and password

Security: IP filtering

Management Software

OnCell Central Manager: Centralized management solution for accessing private IPs from the Internet

Physical Characteristics

Housing: Aluminum, providing IP30 protection

Weight:

OnCell 5004-HSDPA/5004-HSDPA-JPS/5004-HSDPA-JPN: 505±5 g

OnCell 5104-HSDPA/5104-HSDPA-JPS/5104-HSDPA-JPN: 645±5 g

Dimensions:

OnCell 5004-HSDPA/5004-HSDPA-JPS/5004-HSDPA-JPN: 158 x 103 x 34 mm (6.22 x 4.06 x 1.34 in)

OnCell 5104-HSDPA/5104-HSDPA-JPS/5104-HSDPA-JPN: 135 x 103 x 50.8 mm (5.32 x 4.06 x 2.00 in)

Environmental Limits

Operating Temperature: -30 to 55°C (-22 to 131°F)

Storage Temperature: -40 to 75°C (-40 to 167°F)

Ambient Relative Humidity: 5 to 95% (30°C, non-condensing)

Power Requirements

Number of Power Inputs: 1 terminal block, 1 power jack

Input Voltage: 12 to 48 VDC

Power Consumption:

OnCell 5004-HSDPA/5004-HSDPA-JPS/5004-HSDPA-JPN: 12 to 48 VDC, 900 mA (max.)

OnCell 5104-HSDPA/5104-HSDPA-JPS/5104-HSDPA-JPN: 12 to 48 VDC, 950 mA (max.)

Standards and Certifications (OnCell 5004/5104-HSDPA)

Safety: UL 60950-1

EMC: EN 55022 Class A, EN 55024, FCC Part 15 Subpart B Class A

Radio: FCC Part 22H, FCC Part 24E, EN 301 489-1, EN 301 489-7, EN 301 489-24, EN 301 511

Standards and Certifications (OnCell 5004/5104-HSDPA-JPS/JPN)

EMC: VCCI

Reliability

MTBF (mean time between failures):

OnCell 5004-HSDPA/5004-HSDPA-JPS/5004-HSDPA-JPN: 441,000 hrs

OnCell 5104-HSDPA/5104-HSDPA-JPS/5104-HSDPA-JPN: 411,000 hrs

Warranty

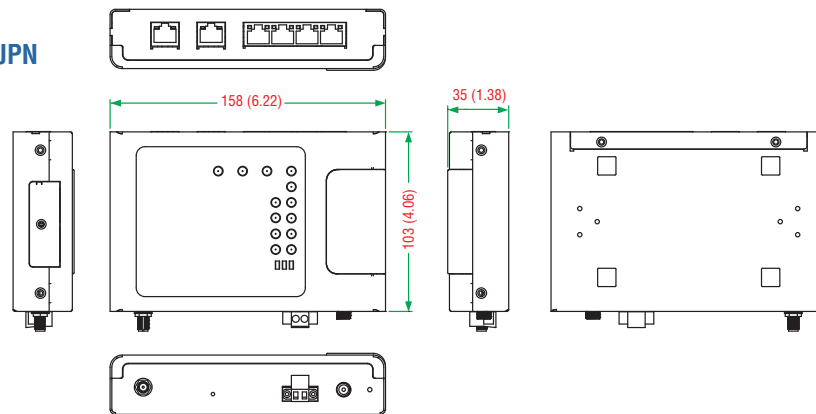
Warranty Period: 5 years

Details: See www.moxa.com/warranty

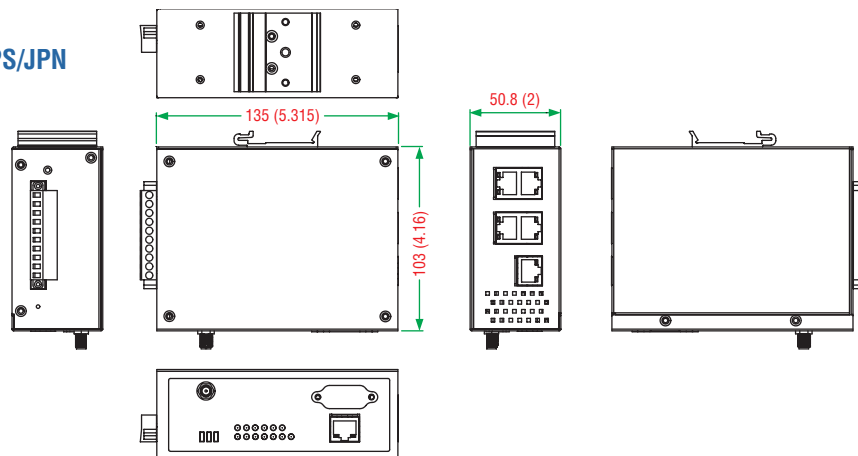
Dimensions

OnCell 5004-HSDPA OnCell 5004-HSDPA-JPS/JPN

Unit: mm (inch)



OnCell 5104-HSDPA OnCell 5104-HSDPA-JPS/JPN



: Ordering Information

Available Models

OnCell 5004-HSDPA: 4-port 10/100M Ethernet to GSM/GPRS/EDGE/UMTS/HSDPA cellular router

OnCell 5004-HSDPA-JPS: 4-port 10/100M Ethernet to UMTS/HSDPA cellular router, Japan Softbank

OnCell 5004-HSDPA-JPN: 4-port 10/100M Ethernet to UMTS/HSDPA cellular router, Japan NTT DOCOMO

OnCell 5104-HSDPA: 4-port 10/100M Ethernet to GSM/GPRS/EDGE/UMTS/HSDPA cellular router, IA design

OnCell 5104-HSDPA-JPS: 4-port 10/100M Ethernet to UMTS/HSDPA cellular router, IA design, Japan Softbank

OnCell 5104-HSDPA-JPN: 4-port 10/100M Ethernet to UMTS/HSDPA cellular router, IA design, Japan NTT DOCOMO

Note: Please visit Moxa's website for a complete list of optional wireless accessories and antennas available for Moxa's wireless products.

Package Checklist

- OnCell cellular router
- Rubber SMA antenna
- Rubber stand (OnCell 5004-HSDPA only)
- Wallmount kit (OnCell 5004-HSDPA only)
- DIN-Rail kit (OnCell 5104-HSDPA only)
- Documentation and software CD
- Quick installation guide (printed)
- Warranty card

Tento produkt můžete zakoupit u společnosti AutoCont IPC a.s.



AutoCont IPC a.s.

Váš dodavatel průmyslových počítačů, komponent a speciálních průmyslových IT systémů.

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PRODLOUŽENÁ ZÁRUKA

Záruka 2 roky na vyráběné počítače s možností jejího prodloužení až na 5 let.



ODMĚNA ZA VĚRNOST

Pravidelní zákazníci u nás nakupují za nižší ceny. Výše slevy se odvíjí od realizovaného obrátu.



SERVIS ON-SITE A IN-TIME

K projektovým dodávkám nabízíme rozšířenou podporu a servis s garancí výměny zařízení do 48 hodin.