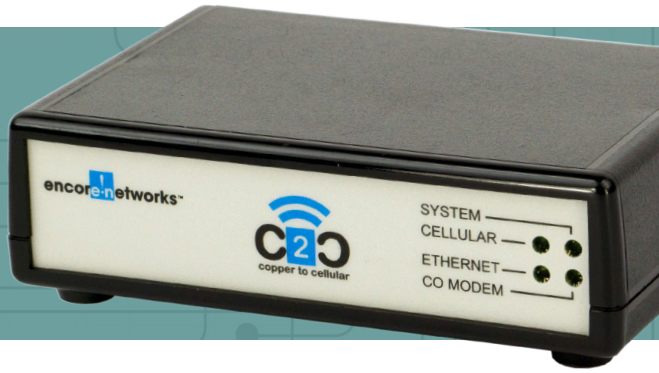
encore-networks™

C2C™ Data Sheet

C2C™



C2C™ Prime Applications

- ATM
- Point-of-Sale
- Kiosks
- Electric Data Meters
- Oil and Gas Meter
- Out-of-Band Monitoring
- Water Meters & Lift Stations

C2C™ Standard Features

- Supports both wireless & wired transport
- License free, VRRP, DMNR, GRE & IPsec
- VPN (tunnel, NAT-T, & Dead Peer Detection)
- Pass Through/Bridge Operation for direct connect to the Internet
- One Ethernet port, for LAN or WAN
- Small Footprint, Low Power Consumption
- Enhanced traffic grooming using QoS
- Data Traffic types can be assigned to specific links, IP addresses
- One Analog POTS Modem

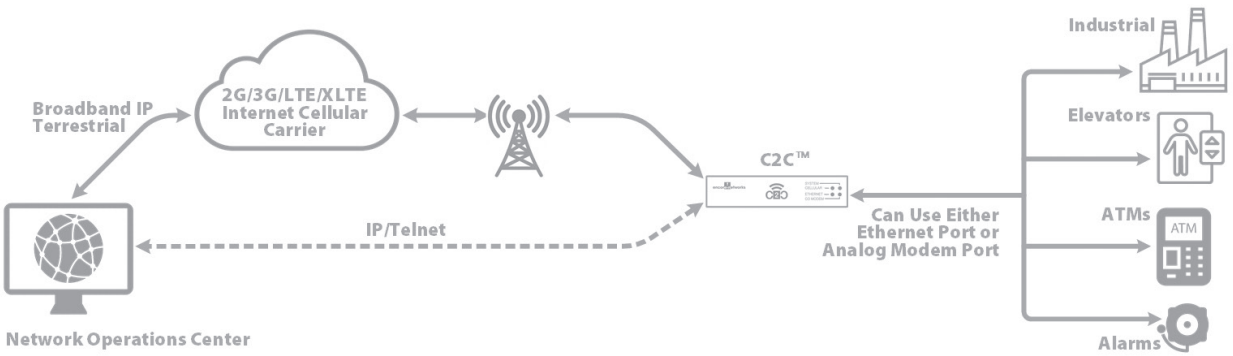
LOW COST CELLULAR REPLACEMENT OF POTS LINES

The Copper to Cellular (C2C™) is a special member of the Encore BANDIT™ family. The C2C™ was specifically built to replace existing Plain Old Telephone Service (POTS) lines with a cellular connection. This is ideally suited for legacy data applications that currently depend on analog telephone lines terminating on CPE with embedded analog modems. With the decline of availability and reliability of analog circuits many legacy applications require an alternative solution capable of interfacing with legacy CPE and central office equipment. The C2C™ is the ideal solution. It allows you to keep your existing remote equipment, while upgrading network connections to more cost effective and reliable cellular networks.

The C2C™ is a commercial grade intelligent M2M appliance with integrated IP router, firewall, and IPSec VPN functionality, and embedded cellular modem. Applications best suited for its use include banking (ATM), Point-of-Sale (POS), elevators, security and fire alarm panels, industrial process control, vending machines and kiosks, healthcare, RTU's, meters, and traffic control systems. The C2C™ solution is easy to implement, acting as a one-to-one replacement solution to existing POTS with payback in as little as 10 months by;

- Protecting Capital Expenditure (CAPEX), with minimal operations impact
- IP ready for future requirements
- Eliminating the Operational Expenditure (OPEX) of analog lines including the cost of remote POTS
- Eliminating the cost of calls via the Public Switched Telephone Network

By moving to an IP cellular infrastructure, users remove the dependence on copper lines that are limited in services and diminishing reliability. The increased bandwidth capacity of a cellular infrastructure supports new IP based functionality, such as video, that can be added to operate in real time. Simply connect the C2C™ to your existing analog modem transport. The remote equipment continues to function and operate with no changes to Operations Administration and Maintenance (OA&M) with the added benefits of increased data throughput and reliability. Increased data security utilizing IPSec (AES256, 3DES) VPN and firewall capability ensures secure system data and network connections directly to a commercial cellular data IP service or IP/Ethernet Wide Area Network (WAN) or Local Area Network (LAN). With its seamless Host Site diversification failover feature, the C2C ™ is ideal for Disaster Recovery and Application Load Sharing to multiple Host Sites.



C2C™

WAN/LAN PORTS	One 10/100 Ethernet w/ Auto Failover One CO Modem RJ11
CONNECTIVITY	Data Modem Port • Bell103, Bell212, V.21, V.22, V.22 bis, V.23, V.32, V.32 bis, V.34 • LS/GS • Polarity Reversal • V.42 with Error Correction - MNP 2-4 • V.42 bis w/ Data Compression & MNPS IP - Ethernet • TCP, UDP/RTP Data Transport • RTP Packet Optimization • DLCI IP configuration • Telnet (Client or Server) • TCP Port configuration • TCP Broadcast
CELLULAR PORT	GSM TECHNOLOGY/BANDS UMTS/HSPA Triple-band 900/1900/2100 MHz EDGE/GPRS Dual-band 900/1800 MHz
SYSTEM FEATURES	SNMP Alarms / Traps Password Security User Friendly interface Alarm Reports Syslog
SECURITY	IP Authentication Call setup authentication Unit Authentication User Passwords Standard Encryption 3DES/AES 256 IPSec Firewall
NETWORK SUPPORT	IP Wireless Cellular Data IP Satellite IP Terrestrial Private or Public Networks
ENVIRONMENTAL	Temperature: • Commercial grade: 0° C to +50° C • Non-Operating: -40° C to +85° C Humidity: 5% to 95% non-condensing Altitude: Up to 10,000 ft. (3048 m)
MECHANICAL	Height: 1.2 in. (3.05 cm) Width: 4.3 in. (10.92 cm) Depth: 2.8 in. (7.11 cm) Weight: Less than 1 lb. (< 0.45 kg)
ELECTRICAL	Power Supply Options: • 7.5 watt maximum with embedded cellular modem • AC: 100-240VAC, 50-60Hz (with external adapter)
MANAGEMENT	Manageable via SNMP Remote or Local Access Telnet
STANDARDS COMPLIANCE	RoHS Compliant CE Compliant PCI Compliant Product Safety • UL/CSA 60950-1 • CAN/CSA-C22.2 No. 60950-1-03 • EN 60950-1 EMC • FCC Part 15 • EN 55022: 1998 • EN 55024: 1998 NERC CIP (003, 005, 007, 009)

Specifications subject to change without notice

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