



BONGO
TECHNOLOGIES™



P2C™ (PHONE TO CELL) Product Brief

DESCRIPTION

The Bongo Technologies P2C allows users to replace analog (copper) phone lines, also called POTS (plain old telephone service) or PSTN (public switched telephone network), with a cost-competitive P2C unit and cellular voice plans. The P2C converts your fixed location landline devices to cellular enabled fixed or mobile implementations.

Installing a P2C is the easiest way to switch legacy equipment from traditional phone landlines to a 4G LTE

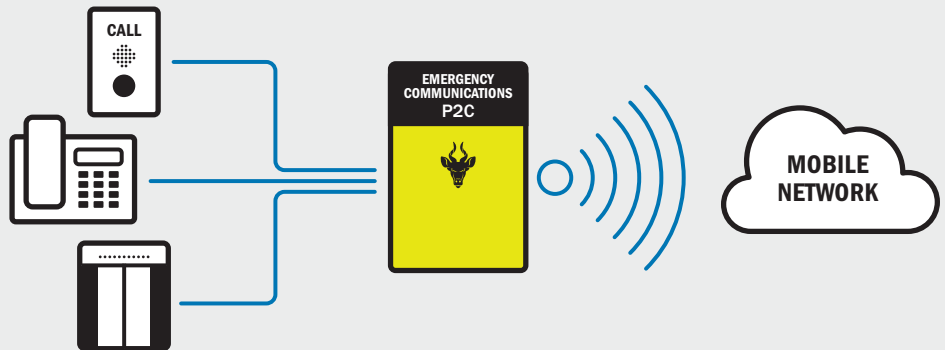
network. The existing phone line is connected directly to P2C. Simply unplug the telephone jack from its wall outlet and plug it into the P2C's RJ11 socket. The included SIM card is pre-installed.

North American carriers include: AT&T/FirstNet and Verizon. Bongo offers carrier voice plans in support of the LTE P2C. Equipment lease options are available to qualified customers. Contact Bongo for more information.

P2C CONNECTIVITY

APPLICATIONS

- Emergency communication lines
- Elevator lines
- Areas of rescue
- Two-way communication



FEATURES

- Supports 4G network standards
- E-911 Compliant
- Line Voltage Management
- Line Seizure/Calling Party Control
- Conforms to IEEE C2-2012
- Network Elements Act-1996
- Wide operating temperature range
- Firmware upgrade support
- Rugged aluminum enclosure
- ASME A17.1 Compliant *When used with an ASME A17.1 Compliant Emergency Telephone System

APPROVALS

- Regulatory Approvals:
PTCRB FCC ID: R17LE910CxNF
ISED Canada: 5131A-LE910CxNF
UL: 62368-1: December 2021
- Carrier Approvals:
AT&T/FirstNet
Verizon
Check with Bongo Technologies if you require any specific carriers not identified.
- ASME A17.1 Compliant *When used with an ASME A17.1 Compliant Emergency Telephone System
- RoHS Compliant



Call 920.371.9352 or visit bongotechnologies.com

Bulletin	Product Brief P2C
Revision	12
Date	28 May 2022

Specifications

INTERFACES

Modem/Telephone	RJ11 FXS
Serial	USB Mini – user terminal interface for configuration and firmware upload.
Cellular Antenna	SMA
GPS Antenna	SMA; 3.3 V LNA bias voltage output.
Power Input	7-15 Vdc; 22W with two input alternatives: 6mm DC power jack with 2mm center pin positive 5.08mm (0.200”) terminal header (accepts screw clamp and crimp connector type terminal blocks)

FEATURES

SLIC	Performs all BORSCHT functions DTMF decoding REN=1 at 100 ft. (30m)
Voice	VoLTE (4G) and Voice over cellular (3G fallback)
Cellular Connection	4G (LTE) bands 2, 4, 5, 12, 13, 14, 66 and 71. Plus 3G (fallback) bands 2, 4 and 5.
SIM Card	Micro (3FF size) SIM Card
Mounting	Integrated mounting brackets
Pushbuttons	MODE and RESET
LEDs	Power, Status, Cellular Link, GPS and Signal Strength
Dimensions	(L x W x D) 6.0 in (152mm) x 5.2 in (132mm) x 1.2 in (30mm)
Weight	13 oz (365 g)

ENVIRONMENTAL

Operating Temperature	-40° C to +60° C (-40° F to 140° F) (Note: 6mm DC power jack is not specified for operation below -25°C)
Relative Humidity	5% to 95% (non-condensing)

Ordering Information **P2C1000** AT&T/FirstNet, Verizon

P2C™ Carrier Certifications & Regulatory Approvals

REVISION HISTORY

00	06/18/19	Initial Release
01	01/30/20	Revisions to Firmware
02	02/18/20	Updated Band Information
03	04/28/20	Updated Firmware info
04	07/27/20	Added Certification Information
05	09/17/20	Updated Ordering Information
06	09/27/20	Added UL 62368-1 Safety Standards & Removed info on Data Plans
07	11/24/20	Notice to customers: Carrier, Certifications and Regulatory Approvals
08	03/03/21	Updated Notice of no Band 14 - Emergency calls to 911 are not supported
09	07/09/21	Updated Carrier Information
10	09/01/21	Updated Certifications, Regulatory Approvals and Features
11	09/30/21	LTE Bands and 911 Support updates
12	10/12/21	Updated ASME A17.1 Compliant information

The P2C includes several cellular carrier and regulatory approvals and certifications, as stated in our Product Briefs, User Manuals, and other documentation. Ultimately, the customer is responsible for ascertaining and abiding by the Federal, State and local laws, regulations and other requirements regarding the application in which they will deploy the P2C.

