

PRODUCTS

Your Imobility Partner

G-Box is a communication gateway that enables data transmission from vehicle to ground infrastructures, using the most favorable or faster channel depending on application requirements. G-Box may be equipped with Long Range Modem GPRS / UMTS / LTE, Wi-Fi 802.11 bg, or Bluetooth. G-Box can also be equipped with GPS system, for providing vehicle positioning service to the Ethernet network.



PROCESSOR	Freescall iMx25 ARM 926 @ 400 MHz
OPERATING SYSTEM	Linux Embedded 2.6
MEMORY	64MB RAM DDR2 @ 133 MHz 256 MB NAND Flash memory
I/O	1x serial RS232 1x serial RS485 1x USB 2.0 Host Up to 4x digital input Up to 4x digital output 1x Odometer input 1x CAN BUS 2.0B 1x 10/100M Ethernet
WLAN	IEEE 802.11b/g
WWAN	GPRS/HSDPA/LTE Modem
Wireless	Class 1 Bluetooth <sup>2</sup>
GPS	32 channels, multi GNSS – Dead Reckoning module
POWER	9-36 VDC with Back-up battery, overvoltage & polarity inversion protection
TEMPERATURE	Operating -30° to +60° C, +80° for 30 min. Storage -35° to +75° C
ENVIRONMENTAL	IP 52
UMIDITY	5-95% relative humidity non condensing
COMPLIANCE	E-mark ECE R10-04 EN 50155 (Humidity, Ambient air temperature, Storage temperature) <sup>2</sup> EN 50155 (Power supply voltage interruption, Surges, Isolation resit.) <sup>2</sup> EN 60068-2-64 (Vibration, broad-band random and guidance) <sup>2</sup>



Ordering Information

PIBX020001	G.Box GPRS
PIBX020002	G.Box 3G
PIBX020003	G.Box 4G

AVAILABLE FROM  
SECOND QUARTER 2014

1) European Bus System of the Future ([www.ebsf.eu](http://www.ebsf.eu)) is a European Project coordinated by UITP ([www.uitp.org](http://www.uitp.org))  
2) Available on request

Designs and specifications are subject to change without notice

