

Pitbull Pro Series

The First All-IN-One Starlink and Cellular Router Case
for Primary or Failover



Pitbull Pro Series



Stay Connected Anytime, Anywhere



Starlink Mini custom designed to fit inside the lid

The Pitbull brings Starlink's Satellite Internet to your portable 5G case antenna. **The Pitbull deploys up to 2 sets of 4X4 MIMO Cellular, 4X4 MIMO Wi-Fi, Starlink Satellite Internet, and optional GPS.** This omni-directional travel friendly case antenna is built to provide optimal support for emergency responders and enterprise systems reliant on failover connectivity in even the most remote of locations.

Parsec's Patented Antenna Technology with extended range up to 25 miles for 5G!

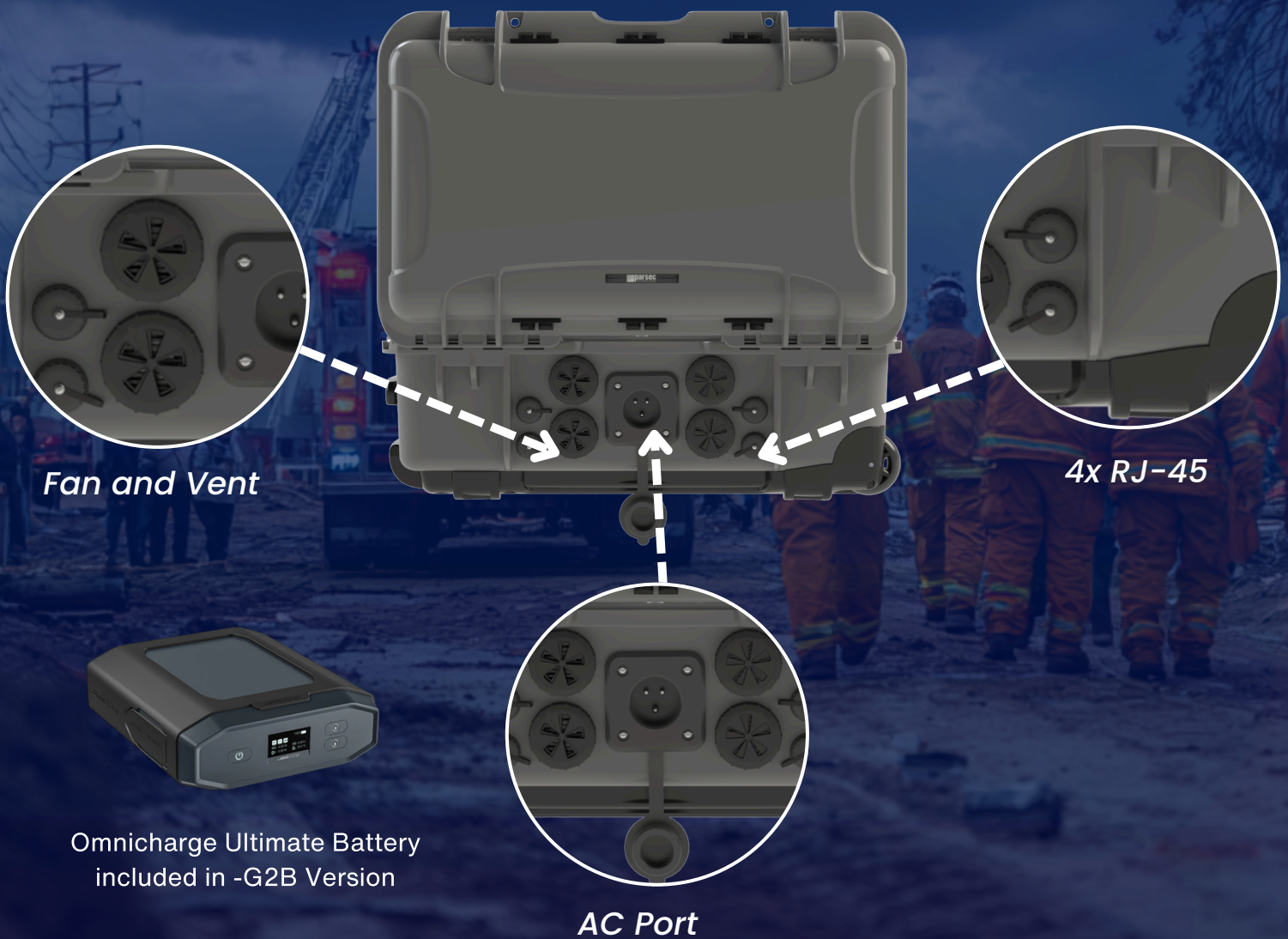
- Up to 2 Sets of 4X4 MIMO Cellular
- 4X4 MIMO Wi-Fi
- 5G Omni-Directional Antenna
- Starlink Satellite Internet
- Optional GPS

Pitbull Pro Series

Stay Connected Anytime, Anywhere

All-in-One Connectivity Connectivity Game-Changer

This rugged case antenna will extend the range to cover more area for remote cameras for security or able to run both Starlink Mini and cellular networks at the same time. The Pitbull series is a rugged, IP67-rated case with an AC adapter and customizable ports such as RJ45s, with a specialized Starlink Mini mount on the lid of the case it is a great all-in-one packaged solution to meet all your connectivity needs.



Pitbull Pro Series



Stay Connected Anytime, Anywhere

The True Definition of Rapid Deployable Instant Network Access, Anywhere You Go

Deploy anywhere, instantly—no setup time required. The system ensures reliable communication for critical events such as fires, hurricanes, floods, and other public safety incidents. Even during emergencies with network congestion or signal loss, it keeps you connected. Designed for rapid deployment, it can be easily strapped to a truck bed for mobile operations, providing instant network access wherever needed.

IP67 weatherproof
when closed and **IP54**
weather-resistant when
open with the fan and
vents powered on.

Engineered With You in Mind

Applications



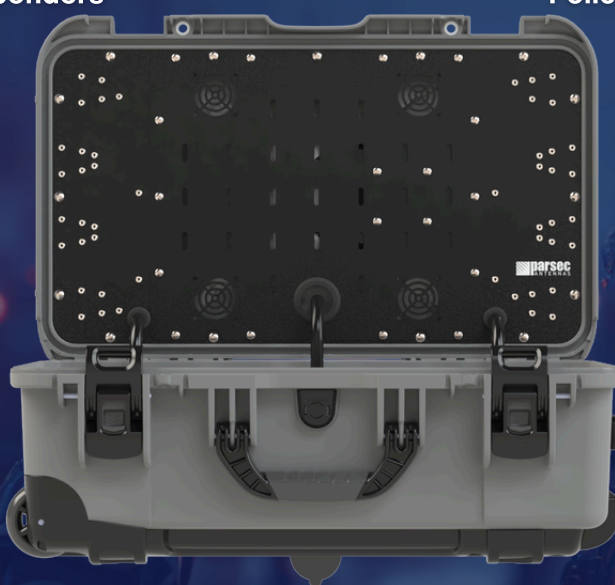
First Responders



Police & Fire



Government
Buildings



Healthcare
Facilities



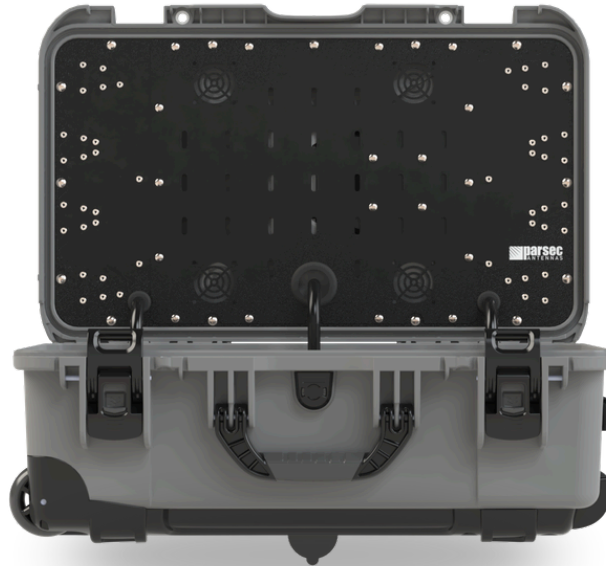
Remote Sites



Network Failover

Why Choose the Pitbull

- High-performance Band 14 connectivity
- Extended device battery life
- Rugged design
- Mission-ready.



Specification Overview

Pitbull ECK		
Applications	Emergency Communications, Dual Network, Remote Connectivity	
Configurations	13:1 - 8 CELL, 4 Wi-Fi, GPS 11:1 - 8 CELL, 2 Wi-Fi, GPS 9:1 - 8 CELL, GPS 9:1 - 4 CELL, 4 Wi-Fi, GPS 7:1 - 4 CELL, 2 Wi-Fi, GPS	
Categories:	Public Safety, 5G, Starlink, Enterprise, Mobile	
Antennas Included:	Cellular, Wi-Fi, GPS	
Type:	Case/Enclosure	
Antenna Pattern:	Omni-Directional	
Available Colors:	Red	
Cable Type	Cellular	RG-316
	Wi-Fi	RG-316
	GPS	LSR100
Standard Cable Length	30 IN Pigtails	
Standard Connector Options:	Cellular	SMA(M)
	Wi-Fi	RP-SMA(M)
	GPS	SMA(M)

Specifications

Frequencies			
4G/5G Cellular	617-894 MHz 1710-2700 MHz 3400-4000 MHz 5150-5925 MHz	Wi-Fi	2400 - 2483.5 MHz 4900 - 5900 MHz
		GPS	1575.42
4G/5G Bands			
North America		B2, B4, B5, B7, B12, B13, B14, B17, B25, B26, B29, B30, B41, B46, B48, B66, B71, n2, n5, n12, n25, n26, n41, n48, n66, n71	
EMEA		B1, B3, B7, B20, B28, B42, B43, B46 n1, n3, n28, n77, n78	
Mechanical		Enviromental	
Dimension	22 inch x 14 inch x 9 inch	Operating Temperature	-40 °C to 85°C
Radome Material	Plastic with UV Additive	Ingress Protection	Indoor
Connectors	CELL: SMA(M) Wi-Fi: RP-SMA(M) GPS: SMA(M)	RF Cable Length	30 inch pigtails
Max Router Configuration	8 Cellular, 4 Wi-Fi, GPS OR 4 Cellular, 4 Wi-Fi, GPS		
<ul style="list-style-type: none"> • For customizations, such as Connector Type, Cable Length, Color, Configuration, and Branding, please reach our to Parsec at sales@parsec-t.com. • For different router configurations, reach out to Parsec for more information. • Temperature range is for antenna only. Equipment installed inside the enclosure may have different temperature range. 			

Electrical Specification: 4 CELL, 4 Wi-Fi Configuration

<i>ID</i>	<i>Port</i>	<i>Parameters</i>	<i>Typ.</i>
Radiated Efficiency (%)	CELL 1 thru 4	617 – 777 MHz	60
	CELL 1 thru 4	777 – 817 MHz	65
	CELL 1 thru 4	817 – 894 MHz	70
	CELL 1 thru 4	1710 – 2700 MHz	85
	CELL 1 thru 4	3400 – 3700 MHz	70
	CELL 1 thru 4	3700 – 4000 MHz	80
	CELL 1 thru 4	5150 – 5925 MHz	70
	Wi-Fi 1 thru 4	2400 – 2483 MHz	80
	Wi-Fi 1 thru 4	4900 – 5900 MHz	75
Peak Gain (dBi)	CELL 1 thru 4	617 – 777 MHz	3.5
	CELL 1 thru 4	777 – 894 MHz	4
	CELL 1 thru 4	1710 – 2700 MHz	6.5
	CELL 1 thru 4	3400 – 4000 MHz	6
	CELL 1 thru 4	5150 – 5925 MHz	7
	Wi-Fi 1 thru 4	2400 – 2483 MHz	4.5
	Wi-Fi 1 thru 4	2900 – 5900 MHz	6
	Return Loss 50 Ω (dB)	CELL 1 thru 4	617 – 663 MHz
CELL 1 thru 4		663 – 746 MHz	7
CELL 1 thru 4		746 – 894 MHz	9
CELL 1 thru 4		1710 – 2700 MHz	12
CELL 1 thru 4		3400 – 3700 MHz	10
CELL 1 thru 4		3700 – 4000 MHz	7
CELL 1 thru 4		5150 – 5925 MHz	8
Wi-Fi 1 thru 4		2400 – 2483 MHz	10
Wi-Fi 1 thru 4		4900 – 5900 MHz	12
Isolation (dB)	CELL	617 – 746 MHz	11
	CELL	746 – 894 MHz	15
	CELL	1710 – 1800 MHz	20
	CELL	1800 – 2700 MHz	22
	CELL	3400 – 4000 MHz	27
	CELL	5150 – 4000 MHz	32
	Wi-Fi	2400 – 2483 MHz	15
	Wi-Fi	4900 – 5900 MHz	30

Polarization	CELL, Wi-Fi		Linear
RF Connectors	CELL Wi-Fi		SMA(M) RPSMA(M)
RF Cable Type	CELL, Wi-Fi		RG-316
<ul style="list-style-type: none"> Isolation, return loss, and peak gain include cable loss from ?? inch cables supplied. SMA connectors have a max torque of 3-5 in-lbs Electrical based on antenna mounted in the lid of the plastic enclosure. *Starlink Mini, Router, and SIM Card are not included. Customers should contact Parsec's authorized distributors and VAR's listed on our website for a full list of routers and other options that will complete the Emergency Hot Spot 			

Electrical Specification: 8 CELL, 4 Wi-Fi Configuration

<i>ID</i>	<i>Port</i>	<i>Parameters</i>	<i>Typ.</i>
Radiated Efficiency (%)	CELL 1,2,5,6	617 – 663 MHz	35
	CELL 1,2,5,6	663 – 777 MHz	45
	CELL 1,2,5,6	777 – 894 MHz	65
	CELL 1,2,5,6	1710-2000 MHz	80
	CELL 1,2,5,6	2000 – 2700 MHz	85
	CELL 1,2,5,6	3400 – 4000 MHz	70
	CELL 1,2,5,6	5150 – 5925 MHz	65
	CELL 3,4,7,8	617 – 663 MHz	25
	CELL 3,4,7,8	663 – 777 MHz	30
	CELL 3,4,7,8	777 – 894 MHz	40
	CELL 3,4,7,8	1710 – 2000 MHz	70
	CELL 3,4,7,8	2000 – 2700 MHz	85
	CELL 3,4,7,8	3400 – 4000 MHz	70
	CELL 3,4,7,8	5150 – 5925 MHz	70
	Wi-Fi 1 thru 4	2400 – 2483.5 MHz	80
	Wi-Fi 1 thru 4	4900 – 5900 MHz	70

Peak Gain (dBi)	CELL 1,2,5,6	617 – 663 MHz	0.5
	CELL 1,2,5,6	663 – 777 MHz	1.5
	CELL 1,2,5,6	777 – 894 MHz	2.5
	CELL 1,2,5,6	1710-2000 MHz	6
	CELL 1,2,5,6	2000 – 2700 MHz	6.5
	CELL 1,2,5,6	3400 – 4000 MHz	5.5
	CELL 1,2,5,6	5150 – 5925 MHz	7
	CELL 3,4,7,8	617 – 663 MHz	-1
	CELL 3,4,7,8	663 – 777 MHz	0
	CELL 3,4,7,8	777 – 894 MHz	1
	CELL 3,4,7,8	1710 – 2000 MHz	5.5
	CELL 3,4,7,8	2000 – 2700 MHz	7
	CELL 3,4,7,8	3400 – 4000 MHz	7
	CELL 3,4,7,8	5150 – 5925 MHz	7.5
	Wi-Fi 1 thru 4	2400 - 2483.5 MHz	5
	Wi-Fi 1 thru 4	4900 - 5900 MHz	5
Return Loss 50 Ω (dB)	CELL 1,2,5,6	617 – 663 MHz	6
	CELL 1,2,5,6	663 – 894 MHz	10
	CELL 1,2,5,6	1710 – 2000 MHz	12
	CELL 1,2,5,6	2000 – 2700 MHz	15
	CELL 1,2,5,6	3400 – 4000 MHz	8
	CELL 1,2,5,6	5150 – 5925 MHz	9
	CELL 3,4,7,8	617 – 663 MHz	7
	CELL 3,4,7,8	663 – 894 MHz	8
	CELL 3,4,7,8	1710 – 2500 MHz	11
	CELL 3,4,7,8	2500 – 2700 MHz	8
	CELL 3,4,7,8	3400 – 3700 MHz	10
	CELL 3,4,7,8	3700 – 4000 MHz	7
	CELL 3,4,7,8	5150 – 5925 MHz	8
	Wi-Fi 1 thru 4	2400 – 2483.5 MHz	12
Wi-Fi 1 thru 4	4900 – 5900 MHz	9	
Isolation (dB)	CELL MIMO	617 – 894 MHz	16
	CELL MIMO	1710 – 2000 MHz	18
	CELL MIMO	2000 – 2700 MHz	22
	CELL MIMO	3400 – 4000 MHz	30
	CELL MIMO	5150 – 5925 MHz	30
	CELL Adjacent	617 – 698 MHz	6.5
	CELL Adjacent	698 – 894 MHz	7
			13

Isolation (dB)	CELL Adjacent	1710 – 2000 MHz	13
	CELL Adjacent	2000 – 2700 MHz	16
	CELL Adjacent	3400 – 4000 MHz	20
	CELL Adjacent	5150 – 5925 MHz	20
	Wi-Fi thru 4	2400 -2483.5	25
	Wi-Fi thru 4	4900 – 5900 MHz	35
Polarization (dBi)	CELL, Wi-Fi		Linear
RF Connectors	CELL Wi-Fi		SMA(M) RPSMA(M)
RF Cable Type	CELL, Wi-Fi		RG-316
<ul style="list-style-type: none"> • Isolation, return loss, and peak gain include cable loss from 30 inch cables supplied. • CELL MIMO isolation between elements grouped for 4x4 MIMO for one modem • CELL Adjacent isolation is the isolation between adjacent elements for separate modems. • SMA connectors have a max torque of 3-5 in-lbs. • Electrical specifications based on antenna mounted in the lid of the plastic enclosure. <p>*Starlink Mini, Router, and SIM Card are not included. Customers should not contact Parsec’s authorized distributors and VAR’s listed on our website for a full list of routers and other options that will complete Emergency Hot Spot.</p>			

GNSS Electrical Specifications

<i>ID & Unit</i>	<i>Port</i>	<i>Parameters</i>	<i>Typ.</i>
Antenna + Preamp Gain (dBic)	GPS	1570-1581 MHz	33
Polarization	GPS		RHCP
Filter Rejection (dB)	GPS	1625 MHz	12
GNSS Preamp Voltage (mA)	GPS		2.2 to 5
GNSS Preamp Current (mA)	GPS		5 to 15
RF Connector	GPS		SMA(M)
RF Cable Type	GPS		LSR100

Part Number Key

Part Number Example for a 9:1 Pitbull antenna: PRO9PB4L4WG-G2B

<i>Description</i>	<i>Abbreviation</i>	<i>Part Number</i>
All PRO Series	PRO	PRO
Number of Antenna in Housing/Configuration	9:1	PRO9
Antenna Abbreviation for Pitbull	PB	PRO9PB
Number of Cellular Elements	#L	PRO9PB4L
Number of Wi-Fi Elements	#W	PRO9PB4L4W
Number of GPS Elements	G	PRO9PB4L4WG
Optional G2B Version - Includes the options listed	-G2B	PRO9PB4L4WG-G2B
Customization options available: Custom Branding, Custom Colors, MOQ Applicable. Please contact us for more information at sales@parsec-t.com		

Antenna Options

<i>Description</i>	<i>PRO9PB4L4WG</i>	<i>-G2B Version</i>
Antenna	Yes	Yes
Fan and Vent	No	Yes - Qty.2
AC Adapter	No	Yes
RJ-45 Connector	No	Yes - Qty.4
Router Mount Plate	No	Yes
Top Cover Plate	No	Yes
Omnicharge Ultimate Battery Tray	No	Yes
Accessory Tray	No	No

Ordering Guide

Maximum Configurations

<i>Config.</i>	<i>Part Number</i>	<i>Description</i>
7:1	PRO7PB4L2WG-G2B	4 Cellular, 2 Wi-Fi, Grey Case with Antenna Built into the Lid, Omnicharge Ultimate Battery, 100w Charger included (see antenna options for description)
	PRO7PB4L2WG-L	4 Cellular, 2 Wi-Fi, GPS Grey Case with Antenna Built into Lid
8:1	PRO8PB4L2WBR-Fortinet	4 Cellular, 2 Wi-Fi, Bluetooth, Red Case with Antenna Built into Lid, Omnicharge Ultimate Battery, 100w Charger included (see antenna options for description)
	PRO8PB4L2WBG-L	4 Cellular, 2 Wi-Fi, Bluetooth, GPS, Grey Case with Antenna Built into Lid
9:1	PRO9PB8LG-L	8 Cellular, GPS, Grey Case with Antenna Built into the Lid
	PRO9PB8LG-G2B	8 Cellular, GPS, Grey Case with Antenna Built into the Lid with Omnicharge Ultimate Battery, 100w Charger included. (See antenna options for description)
	PRO9PB4L4WG	4 Cellular, 4 Wi-Fi, GPS, Grey Case with Antenna Built into the Lid
	PRO9PB4L4WG-G2B	4 Cellular, 4 Wi-Fi, GPS, Grey Case with Antenna Built into the Lid with Omnicharge Ultimate Battery, 100w Charger included. (See antenna options for description)
11:1	PRO11PB8L2WG-G2B	8 Cellular, 2 Wi-Fi, GPS, Grey Case with Antenna Built into the Lid, Omnicharge Ultimate Battery, 100w Charger Included (see antenna options for description)
	PRO11PB8L2WG-L	8 Cellular, 2 Wi-Fi, GPS, Grey Case with Antenna Built into Lid

12:1	PRO12PB8L2WBG-G2B	8 Cellular, 2 Wi-Fi, Bluetooth, GPS, Grey Case with Antenna Built into the Lid. Omnicharge Ultimate Battery, 100w Charger Included (see antenna options for description)
	PRO12PB8L2WBG-L	8 Cellular, 2 Wi-Fi, Bluetooth, GPS, Grey Case with Antenna Built into the Lid
13:1	PRO13PB8L4WG- G2B	8 Cellular, 4 Wi-Fi, GPS, Red Case with Antenna Built into the Lid, Omnicharge Ultimate Battery, 100w Charger (see antenna options for description)
	PRO13PB8L4WG-L	8 Cellular, 4 Wi-Fo, GPS Grey Case with Antenna Built into the Lid

Hardware Accessories

Accessories	Part Number
RJ-45 Adapter	PTA0920
USB-A Panel Mount	PTA0921
AC Adapter with 16" Cord Kit	PTA0771
Pitbull Fortinet Battery: OmniCharge Ultimate+ Custom Battery	PTA1182
100w Charger	PTA1180
SMA Wrench, Key Chain	PTA0194
Service: Router Installation	PTA-Install-150
Interchangeable Accessories	
Pitbull Fortinet: Battery Tray for OmniCharge Ultimate+	PTA0832
Battery Tray for OmniCharge Ultimate+	PTA0971
Replacement Parts	
Cover Plate Screw Kit	PTA1224
40mm Fan Replacement Kit (Includes screws and nuts)	PTA1222
40mm Vent and Cap Kit	PTA1223