
EOS
Positioning Systems
ARROW SERIES™
High Accuracy Field Mobility
Submeter with SBAS, 1cm with RTK
SafeRTK™ for poor cell coverage areas
GPS/Glonass/Galileo/BeiDou, L1/L2/L5
4cm real-time accuracy anywhere in the world
WWW.EOS-GNSS.COM
Made in Canada

ARROW SERIES® RECEIVERS

EOS Positioning Systems

	 Arrow Lite®	 Arrow 100®	 Arrow 200®	 Arrow Gold®
Description	Single Frequency, Single Constellation	Single Frequency, Multi-Constellation	Dual-Frequency, Multi-Constellation	Triple-Frequency, Multi-Constellation
GNSS Frequency	L1 GPS	L1 GNSS	L1/L2 GNSS	L1/L2/L5 GNSS
Constellations	GPS	GPS, GLONASS, Galileo, BeiDou	GPS, GLONASS, Galileo, BeiDou	GPS, GLONASS, Galileo, BeiDou, QZSS
Const. Used	1	4 concurrent	4 concurrent	All in-view
SBAS Support	✓	✓	✓	✓
SBAS Accuracy	30 - 60 cm	30 - 60 cm	30 - 60 cm	30 - 60 cm
L-Band	X	X	X	Atlas Basic / H30 / H10
L-Band Accuracy	X	X	X	30cm / 15 cm / 4 cm
SafeRTK™ Support	X	X	X	✓
RTK Accuracy	X	Sub-foot,1 - 3 cm[1]	1 cm	1 cm
iPhone/iPad	✓	✓	✓	✓
Android/Win.	✓	✓	✓	✓
Serial Port	Option	Option	Option	✓
Output Rate	10Hz/20Hz	10Hz/20Hz	10Hz/20Hz	10Hz/20Hz
Battery Autonomy	16+ hours	12+ hours	9+ hours	8+ hours

WWW.EOS-GNSS.COM

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Terrebonne, Qc., Canada
Tel: +1 (450) 824-3325

Made in CANADA

1. Single baseline < 10 km. Supports RTK Networks

Rev. 1.f

ARROW Gold®

ARROW Series®
for 1cm RTK Accuracy, with SafeRTK™

Key Features:

- Supports GPS, GLONASS, Galileo, BeiDou, QZSS
- Triple-Frequency support
- 1 cm RTK real-time accuracy
- Long-range RTK baselines up to 50 km
- SafeRTK for poor cell coverage areas
- Worldwide satellite correction service
- 100% iOS, Android, and Windows compatibility

The World's Most Advanced GNSS receiver for Every Mobile Device

The Arrow Gold® is the first high-accuracy iOS, Android, and Windows Bluetooth® GNSS receiver to implement all four global constellations (GPS, GLONASS, Galileo, BeiDou), three frequencies (L1, L2, L5), and satellite-based RTK augmentation. The Arrow Gold works with all apps that run on iOS, Android, and Windows devices. It also supports all planned global satellite constellations, giving it an awesome return on investment that will serve you well into the next decade and beyond.

RTK Everywhere - Even in Poor Cell Coverage Areas

The Arrow Gold offers a new feature called SafeRTK™. There is nothing more frustrating than trying to stay connected to an RTK network in areas with poor cell coverage. This feature is the answer. When the Arrow Gold loses connection to the RTK network, SafeRTK takes over in a few seconds and allows it to maintain RTK-level accuracy for up to 20 minutes (unlimited with Atlas™ subscription), until the Arrow Gold is automatically reconnected to the RTK network. This results in smooth, RTK accuracy even in areas with poor cell coverage.

No RTK Network Access Available? Pioneering Low-Cost Global Satellite

Do you work in an area without an RTK network available? The Arrow Gold features a 4 cm, real-time satellite correction service available anywhere in the world. Using all four constellations and signals, the Arrow Gold offers convergence times as low as 15 minutes anywhere in the world, at a revolutionary price point that works with all iOS, Android, and Windows devices.

The Ultimate Accuracy for Your iOS, Android, or Windows Device

Of course, iOS, Android, and Windows compatibility is our expertise. Eos has the most advanced connectivity with all mobile devices and free software utilities to ensure compatibility with apps like Esri Collector, Survey123, QuickCapture and many other mobile GIS software apps.

For more details,
www.eos-gnss.com

Specifications

GPS Sensor

Receiver Type:	GNSS multi-frequency RTK with carrier phase
Signals Received:	GPS: L1CA, L1P, L1C, L2P, L2C, L5
	GLONASS: G1, G2, P1, P2
	Galileo: E1BC, E5a, E5b
	BeiDou: B1, B2, B3 (without L5)
	QZSS: L1CA, L1C, L2C, L5
Number of Tracked Satellites:	12 GPS (15 when no SBAS) 12 GLONASS 22 BeiDou 15 Galileo 4 QZSS
SBAS Support:	3-channel, parallel tracking
	WAAS/EGNOS/MSAS/GAGAN (with SBAS ranging)
L-Band (Atlas):	1
Update Rate:	1 Hz Default, Optional 10 Hz and 20 Hz
RTK Accuracy:	1 cm[1] + 1 ppm Horizontal 2 cm[1] + 1 ppm Vertical
SBAS Accuracy:	< 30 cm HRMS[1], < 60 cm 2dRMS
Atlas Accuracy (RMS):	H10: 4 cm
	H30: 15 cm
	H100: 30 cm
Autonomous Accuracy:	1.2 meters HRMS[1]
Cold Start:	< 60 sec typical (no almanac or time)
Reacquisition:	< 1 sec
Max Speed:	1,850 kph (1,150 mph / 999 knots)
Max Altitude:	18,288 meters / 60,000 ft

Communication

Port:	Bluetooth, USB 2.0, Serial (Optional)
Bluetooth Transmission:	Class 1, 300 m typical range[2], up to 1 km
Frequency:	2.400 - 2.485 GHz
Fully Bluetooth Pre-Qualified:	Bluetooth 2.1 + EDR
Supported Bluetooth Profiles:	SPP and iAP
Data I/O formats:	NMEA 0183, RTCM SC-104, Binary
Output Datum: Autonomous:	WGS-84 (G1674) Epoch 2005.0
SBAS & Atlas:	ITRF08 (current year epoch)
RTK:	Same as RTK base
Raw Measurement Data:	Binary and RINEX
Correction I/O Protocol:	RTCM 2.x, 3.x, CMR, CMR+, proprietary binary
GPS Status LEDs:	Power, GNSS, DGNSS, DIFF, Bluetooth
Battery Status LED:	5 LED Indicator
Timing Output: (with optional serial port)	1PPS, CMOS, active high, rising edge sync, 10 kΩ, 10 pF load
Event Marker Input: (with optional serial port)	CMOS, active low, falling edge sync, 10kΩ, 10 pF load

Power

Battery Type:	Field replaceable, rechargeable Lithium-Ion pack (rechargeable inside unit or separately)
Battery Autonomy:	8.5 hrs[3] (Atlas™ OFF) - 7+ hrs[3] (Atlas™ ON)
Charging Time:	4 hours (vehicle charger available)

Environmental

Operating Temperature:	-40°C to +85°C (-40°F to +185°F)[3]
Storage Temperature:	-40°C to +85°C (-40°F to +185°F)
Humidity:	95% non-condensing
Compliance:	FCC, CE, RoHS and Lead-free

Mechanical

Enclosure Material:	Xenoy
Enclosure Rating:	Waterproof, IP-67
Immersion:	30 cm, 30 minutes
Dimensions:	12.5 x 8.4 x 4.2 cm (4.92 x 3.3 x 1.65 in.)
Weight:	372 g (0.82 lbs)
Data Connectors:	Mini USB Type B Receptacle
Antenna Connector:	SMA Female

Antenna

GPS Freq Range:	1525 - 1606 MHz, 1164 - 1254 MHz
Impedance:	50 Ohms
Gain (no cable):	30 dB (± 2 dB)
LNA Noise Figure:	2.5 dB Max at 25°C
Voltage:	+2.5 to +16 VDC
Connector:	SMA female
Dimensions:	69 mm diam. x 22 mm (2.72 x 0.87 in.)
Weight:	170 g (0.374 lbs)
Temperature:	-40°C to +85°C (-40°F to + 185°F)
Humidity:	Waterproof

Standard Accessories

- Li-Ion Battery Pack (Field replaceable)
- 12VDC Power Supply
- USB Cable
- L1/L2/L5, L-Band GNSS Antenna
- Pole Bracket and Clamp
- Hard Shell Carrying Case
- Antenna Cable
- Antenna Mounting Plate

Field Activated Options

10 Hz, 20 Hz Output Rates

NOTES :
1. Depends on multipath environment, number of satellites in view, satellite geometry, baseline length (for local services) and ionospheric activities. Stated accuracies for baseline lengths of up to 50km
2. Transmission in free space
3. Lithium-Ion battery performance degrades below -20°C (-4°F)

Made in Canada

Authorized Distributor

Eos Positioning Systems Inc.
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RevD-2020/05/07

EOS Positioning Systems

ARROW 200®

ARROW Series®

for 1-3cm Accuracy with RTK

The World's First RTK Receiver for Every Mobile Device

The Arrow 200® is the world's first GNSS receiver able to provide 1 cm real-time accuracy on your Android, iOS, and Windows mobile device. Yes, you can enjoy 1 cm accuracy on your iPhone or Samsung Galaxy running Esri Collector for ArcGIS, Survey123, or whatever field data collection software you prefer.

Designed for use with a broad range of mobile devices, from smartphones to tablets and notebook computers, the Arrow 200 incorporates rock-solid, wireless Bluetooth technology that works smoothly with Android, iOS, and Windows devices, making it obsolete-proof and portable across platforms.

Use the Mobile GIS Software of Your Choice

Seems like a new mobile GIS software is being offered each week? With the Arrow 200 you will not be tied to legacy GNSS receiver hardware or GIS software, it will grow with you. The Arrow 200 feeds 1 cm RTK accuracy to every app on your Android or iOS device, even Google or Apple maps! Esri Collector for ArcGIS, Survey123, QuickCapture, AmigoCloud, Mapit, Futura, iCMTGIS PRO, it works seamlessly with all of them and many more mapping apps.

Uses All Four Global Constellations

The Arrow 200 incorporates premium features that place it among the highest performing receivers in the world. It takes advantage of all existing satellite constellations: GPS, GLONASS, Galileo, BeiDou, and free SBAS corrections, to deliver top-notch, 1 cm RTK performance anywhere in the world when connected to an RTK network or base station.

Key Features:

- Supports existing GNSS (GPS, GLONASS, Galileo, BeiDou)
- Dual-Frequency support
- 100% Android, iOS, Windows compatibility
- 1 cm RTK real-time accuracy
- Supports all mobile GIS software

The Ultimate in Worldwide High-Precision GNSS Technology

The Arrow 200 provides the ultimate in flexibility. Using your smartphone, tablet, or notebook computer, it can deliver 1 cm real-time accuracy when connected to an RTK network or RTK base.

For more details,
www.eos-gnss.com

Specifications

GPS Sensor

Receiver Type:	GNSS dual-frequency RTK with carrier phase
Signals Received:	GPS, GLONASS, Galileo, BeiDou
Channels:	372-channel, parallel tracking
Number of Tracked Satellites:	12 GPS (15 when no SBAS) 12 GLONASS 15 Galileo 22 BeiDou
SBAS Support:	3-channel, parallel tracking WAAS/EGNOS/MSAS/GAGAN (with SBAS ranging)
Update Rate:	1 Hz Default, optional 10 Hz and 20 Hz
RTK Accuracy:	1 cm[1] + 1 ppm Horizontal 2 cm[1] + 1 ppm Vertical
SBAS Accuracy:	<30 cm HRMS[1]
Autonomous Accuracy:	1.2 meters HRMS[1]
Cold Start:	< 60 sec typical (no almanac or time)
Reacquisition:	< 1 sec
Max Speed:	1,850 kph (1,150 mph / 999 knots)
Max Altitude:	18,288 m (60,000 ft)

Communication

Port:	Bluetooth, USB 2.0, serial (optional)
Bluetooth Transmission:	Class 1, 300 m typical range[2], up to 1 km
Frequency:	2.400 - 2.485 GHz
Fully Bluetooth Pre-Qualified:	Bluetooth 2.1 + EDR
Supported Bluetooth Profiles:	SPP and iAP
Data I/O formats:	NMEA 0183, RTCM 104, Binary
Output Datum: Autonomous:	WGS-84 (G1674) Epoch 2005.0
SBAS:	ITRF08 (current year epoch)
RTK:	Same as RTK base
Raw Measurement Data:	Binary and RINEX
Correction I/O Protocol:	RTCM 2.x, 3.x, CMR, CMR+, proprietary binary
GNSS Status LEDs:	Power, GNSS, DGNSS, DIFF, Bluetooth
Battery Status LED:	5 LED Indicator
Timing Output:	1PPS, CMOS, active high, rising edge sync. 10 kΩ, 10 pF load (with optional serial port)
Event Marker Input:	10 kΩ, 10 pF load (with optional serial port)

Power

Battery Type:	Field replaceable, rechargeable Lithium-Ion pack. Rechargeable inside unit or separately
Battery Life:	Battery operating time 9+ hours[3]
Charging Time:	4 hours (vehicle charger available)

Environmental

Operating Temperature:	-40°C to +85°C (-40°F to +185°F)[3]
Storage Temperature:	-40°C to +85°C (-40°F to +185°F)
Humidity:	95% non-condensing
Compliance:	FCC, CE, RoHS and Lead-free

Mechanical

Enclosure Material:	Xenoy
Enclosure Rating:	Waterproof, IP-67
Immersion:	30 cm, 30 minutes
Dimensions:	12.5 x 8.4 x 4.2 cm (4.92 x 3.3 x 1.65 in.)
Weight:	372 g (0.82 lbs)
Data Connectors:	Mini USB Type B Receptacle
Antenna Connector:	SMA Female

Antenna

GPS Freq Range:	1525 - 1606 MHz, 1164 - 1254 MHz
Impedance:	50 Ohms
Gain (no cable):	30 dB ±2dB
Noise Figure:	2.5 dB Max at 25°C
Voltage:	+2.5 to +16 VDC
Connector:	SMA female
Dimensions:	69 mm diam. x 22 mm (2.72 x 0.87 in.)
Weight:	170 g (0.374 lbs)
Temperature:	-40°C to +85°C (-40°F to + 185°F)
Humidity:	Waterproof

Standard Accessories

- Li-Ion Battery Pack (Field replaceable)
- 12VDC Power Supply
- USB Cable
- Multi-Frequency GNSS Antenna
- Pole Bracket and Clamp
- Hard Shell Carrying Case
- Antenna Cable
- Antenna Mounting Plate

Field Activated Options

10Hz, 20Hz Output Rates

NOTES :
1. Depends on multipath environment, number of satellites in view, satellite geometry, baseline length (for local services) and ionospheric activities. Stated accuracies for baseline lengths of up to 30 km
2. Transmission in free space
3. Lithium-Ion battery performance degrades below -20°C (-4°F)

Made in Canada

Eos Positioning Systems Inc.
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Authorized Distributor

RevF-2020/05/07

EOS Positioning Systems

ARROW 100®

ARROW Series®

for Submeter GNSS Positioning

High-Accuracy GNSS Receiver for Your Smartphone, Tablet, or Notebook Computer

The Arrow 100® is designed specifically to use with a variety of mobile devices, including your smartphone, tablet, or notebook computer. It incorporates rock-solid, wireless Bluetooth® technology that works with Android, iOS, and Windows® devices, making it obsolete-proof. Contemplating switching from an iPhone to an Android phone or vice-versa? No problem, the Arrow 100 works smoothly with both.

Use the Mobile GIS Software of Your Choice

Seems like a new mobile GIS software is being offered each week? With the Arrow 100 you will not be tied to legacy GNSS receiver hardware or GIS software, it will grow with you. The Arrow 100 feeds submeter accuracy to every app on your Android or iOS device, even Google or Apple maps! Esri Collector, Survey123 and QuickCapture, Futura, AmigoCloud, Mapit, GeoJot, iCMTGIS, it works seamlessly with all of them and many more mapping apps.

Real-time, Worldwide Accuracy

The Arrow 100 takes advantage of GPS, GLONASS, Galileo, BeiDou, and free SBAS corrections in most regions of the world. For SBAS, North America is covered by WAAS, Europe and North Africa by EGNOS, India is covered by GAGAN, Japan by MSAS, and Australasia by their own system. With the above-mentioned free SBAS the Arrow 100 provides 30 to 60 cm real-time accuracy.

Key Features:

- Full GNSS (GPS, GLONASS, Galileo, BeiDou)
- 100 % Android, iOS, Windows compatible
- 30 to 60 cm real-time accuracy using free SBAS
- Supports all mobile GIS software

Works Where Other Receivers Can't

The Arrow 100 was designed specifically with GIS users in mind. It squeezes more accuracy from SBAS corrections than any other receiver in the world. With its patented technology, you can use it under trees, around buildings, and in rugged terrain where other receivers will fail to deliver. Where having GPS is just not enough, the Arrow 100 uses GLONASS, Galileo, and BeiDou signals from at least 100 satellites. Real-time results in the field optimize your efficiency with no post-processing required!

For more details,
www.eos-gnss.com

Specifications

GPS Sensor

Receiver Type:	L1/G1/E1/B1, GPS, GLONASS, Galileo, BeiDou with carrier smoothing
Channels:	158-channel, parallel tracking
Number of Tracked Satellites:	12 GPS (15 when no SBAS) 12 GLONASS 15 Galileo 22 BeiDou
SBAS Support:	3-channel, parallel tracking WAAS, EGNOS, MSAS, GAGAN (SBAS ranging where supported)
Update Rate:	1 Hz Default, optional 10 Hz and 20 Hz
DGNSS Horizontal Accuracy:	< 30 cm HRMS
SBAS Accuracy:	< 60 cm 2dRMS, 95% confidence[1] (< 30 cm HRMS, < 25 cm CEP)
Horizontal Accuracy:	< 2.5 m 2dRMS, 95% confidence[1] (autonomous, no SA)
Optional Proprietary RTCM:	< 20 cm 2dRMS, 95% confidence[1]
Optional Single Frequency RTK:	1 cm + 1 ppm[1]
Cold Start:	< 60 sec typical (no almanac or time)
Reacquisition:	< 1 sec
Maximum Speed:	1,850 kph / 1,150 mph / 999 knots
Maximum Altitude:	18,288 m (60 000 ft)

Communication

Port:	Bluetooth, USB 2.0, serial (optional)
Bluetooth Transmission:	Class 1, 300 m typical range[2], up to 1 km
Bluetooth Frequency:	2.400 - 2.485 GHz
Fully Bluetooth Pre-Qualified:	Bluetooth 2.1 + EDR
Supported Bluetooth Profiles:	SPP and iAP
Data I/O Protocol:	NMEA-0183, RTCM SC-104, Binary
Raw Measurement Data:	Binary and RINEX
Correction I/O Protocol:	RTCM, Optional Proprietary format
GNSS Status LED:	Power, GNSS, DGNSS, DIFF, Bluetooth
Battery Status LED:	5 LED Indicator

Power

Battery Type:	Field replaceable, rechargeable Lithium-Ion pack (rechargeable inside unit or separately)
Battery Capacity:	Battery Operating Time: 12+ hours[3]
Charging Time:	4 hours (vehicle charger available)
Antenna Voltage Output:	5 VDC
Antenna Input Impedance:	50 Ohms

Environmental

Operating Temperature:	-40°C to +85°C (-40°F to +185°F)[3]
Storage Temperature:	-40°C to +85°C (-40°F to +185°F)
Humidity:	95% non-condensing
Compliance:	FCC, CE, RoHS and Lead-free

Mechanical

Enclosure Material:	Xenoy
Enclosure Rating:	Waterproof, IP-67
Immersion:	30 cm, 30 minutes
Dimensions:	12.5 x 8.4 x 4.2 cm (4.92 x 3.3 x 1.65 in.)
Weight:	372 g (0.82 lbs)
Data Connectors:	Mini USB Type B Receptacle
Antenna Connector:	SMA Female

Antenna

Frequency Range:	L1, G1, E1, B1
Gain (without cable):	26 dB (+/- 2 dB), 35 mA
Voltage:	+4.5 to +15 VDC
Impedance:	50 Ohms
Dimensions:	6.6 diam. x 2.7 cm (2.61 x 1.05 in.)
Weight (without cable):	114 g (0.25 lbs) with removable magnet mount)
Antenna Connector:	SMA Female
Finish:	Fluid Resistant
Temperature:	-55°C to +70°C (-67°F to +158°F)
Immersion:	30 cm, 30 minutes

Standard Accessories

Li-Ion Battery Pack (Field replaceable)
12VDC Power Supply
Belt/Shoulder Carrying Case
Precision Antenna with 1.5 m cable
Soft Hat for Antenna
USB Cable

Field Activated Options

10 Hz, 20 Hz Output Rate
Base Station RTCM Output
Single Frequency RTK for 1-3 cm

NOTES :
1. Depends on multipath environment, number of satellites in view, satellite geometry, baseline length (for local services) and ionospheric activities.
2. Transmission in free space
3. Lithium-Ion battery performance degrades below -20°C (-4°F)

Made in Canada

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Authorized Distributor

RevF-2020/05/07

EOS Positioning Systems

ARROW Lite®

ARROW Series®

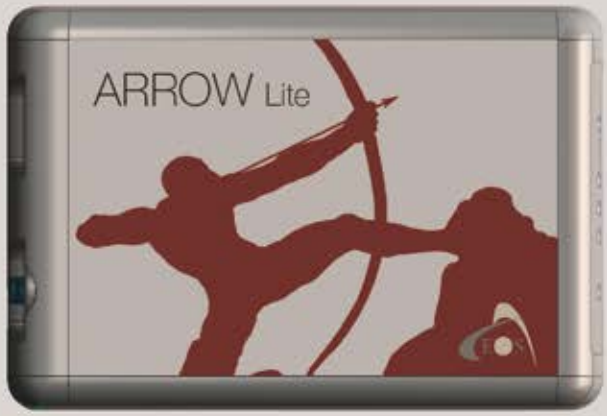
for Submeter GPS Positioning

Key Features:

- Submeter GPS
- 100 % Android, iOS, Windows compatible
- 60 cm real-time accuracy using free SBAS
- Supports all mobile GIS softwares

High-Accuracy GPS Receiver for Your Smartphone, Tablet, or Notebook Computer

The Arrow Lite® is designed specifically to use with a variety of mobile devices, including your smartphone, tablet, or notebook computer. It incorporates rock-solid, wireless Bluetooth® technology that works with Android, iOS, and Windows® devices, making it obsolete-proof. Contemplating switching from an iPhone to an Android phone or vice-versa? No problem, the Arrow lite works smoothly with both.



Use the Mobile GIS Software of Your Choice

Seems like a new mobile GIS software is being offered each week? With the Arrow Lite you will not be tied to legacy GPS receiver hardware or GIS software, it will grow with you. The Arrow Lite feeds submeter accuracy to every app on your Android or iOS device, even Google or Apple maps! Esri Collector, AmigoCloud, Mapit, GeoJot, iCMTGIS, it works seamlessly with all of them and many more mapping apps.

Real-time, Worldwide Accuracy

The Arrow Lite takes advantage of free GPS SBAS corrections in most regions of the world, North America is covered by WAAS, Europe and North Africa by EGNOS, India is covered by GAGAN, and Japan by MSAS. The above-mentioned free SBAS services provide 60 cm real-time accuracy.

Works Where Other Receivers Can't

The Arrow Lite was designed specifically with GIS users in mind. It squeezes more accuracy from SBAS corrections than any other receiver in the world. With its patented technology, you can use it under trees, around buildings, and in rugged terrain where other receivers will fail to deliver. Your efficiency will be optimized because you will get real-time results in the field! No post-processing is required.

For more details,
www.eos-gnss.com

Specifications

GPS Sensor

Receiver Type:	L1, C/A code, with carrier phase smoothing
Channels:	12-channel, parallel tracking
SBAS Support:	2-channel, parallel tracking WAAS, EGNOS, MSAS, GAGAN, and compatible
Update Rate:	1 Hz Default, optional 10 Hz, 20 Hz
DGPS Horizontal Accuracy:	< 60 cm 2dRMS, 95% confidence [1]
Horizontal Accuracy:	< 2.5 m 2dRMS, 95% confidence [1] (autonomous, no SA)
Optional Proprietary RTCM:	< 20 cm 2dRMS, 95% confidence [2]
Optional Proprietary L1 RTK:	< 5 cm 2dRMS, 95% confidence [2]
Cold Start:	60 sec (no almanac or RTC)
Reacquisition:	< 1 sec
Maximum Speed:	1607 kph (999 mph)
Maximum Altitude:	18,288 m (60,000 ft)

Communication

Ports:	Bluetooth, USB 2.0, serial (optional)
Bluetooth Transmission:	Class 1, 300 m typical range[3], up to 1 km
Bluetooth Frequency:	2.400 – 2.485 GHz
Fully Bluetooth Pre-Qualified:	Bluetooth 2.1 + EDR
Supported Bluetooth Profiles:	SPP and iAP
Data I/O Protocol:	NMEA 0183, Binary
Data Output Datum (SBAS):	ITRF08 (current year epoch)
Raw Measurement Data:	Binary and RINEX
Correction I/O Protocol:	RTCM SC-104, Optional Proprietary format
Status LED:	Power, GPS, DGPS, DIFF, Bluetooth
Battery Gas Gauge:	5 LED Indicators

Power

Battery Type:	Field replaceable Lithium-Ion pack (Rechargeable in unit or separately)
Battery Capacity:	Battery Operating Time: 15+ hours[4]
Charging Time:	4 hours (vehicle charger available)
Antenna Voltage Output:	5 VDC
Antenna Input Impedance:	50 Ohms

Environmental

Operating Temperature:	-40°C to +85°C (-40°F to +185°F)[3]
Storage Temperature:	-40°C to +85°C (-40°F to +185°F)
Humidity:	95% non-condensing
Compliance:	FCC, CE, RoHS and Lead-free

Mechanical

Enclosure Material:	Xenoy
Enclosure Rating:	Waterproof, IP-67
Immersion:	30 cm, 30 minutes
Dimensions:	12.5 x 8.4 x 4.2 cm (4.92 x 3.3 x 1.65 in.)
Weight:	372 g (0.82 lbs)
Data Connectors:	Mini USB Type B Receptacle
Antenna Connector:	SMA Female

Antenna

GPS Frequency Range:	L1 (1575 MHz +/- 10 MHz)
Gain (without cable):	26.5 dB (+/- 2 dB), 35mA
Voltage:	+4.5 to + 15 VDC
Impedance:	50 Ohms
Dimensions:	6.6 diam. x 2.7 cm (2.61 x 1.05 in.)
Weight (without cable):	114 g (0.25 lbs) (with removable magnet mount)
Antenna Connector:	SMA Female
Finish:	Fluid Resistant
Temperature:	-55°C to +70°C (-67°F to +158°F)
Humidity:	Immersion 30 cm, 30 minutes

Standard Accessories

Li-Ion Battery Pack (Field replaceable)
12VDC Power Supply
Belt/Shoulder Carrying Case
Precision Antenna with 1.5 m cable
Soft Hat for antenna
USB cable

Field Activated Options

10 Hz or 20 Hz Output rate

NOTES :
1. Depends on multipath environment, number of satellites in view, satellite geometry, baseline length (for local services) and ionospheric activities
2. Option required on both base and rover. Also requires communication link between base and rover
3. Transmission in free space
4. Lithium-Ion battery performance degrades below -20°C (-4°F)

Made in Canada

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Authorized Distributor

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High Accuracy GNSS Receivers
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On Any Device
ARROW 100
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ARROW GOLD
1 cm RTK with SafeRTK™
Submeter, CM, RTK
WWW.EOS-GNSS.COM
Made in Canada