



# XFV-100

Scriptable  
Fleet Telematics

## CVR-Ready and Built for the Road Ahead

Xirgo's XFV-100 series is a next-gen fleet telematics platform engineered for demanding fleet tracking applications. Compatible with light/medium/heavy-duty vehicles, industrial equipment, and powered assets, the XFV-100 offers custom scripting, Bluetooth® connectivity, and a built-in rechargeable backup battery for uninterrupted operation. Its modular design allows for a seamless integration into diverse fleet environments for improved utilization, operational efficiency, theft recovery, and driver safety. Best of all? The CVR-compliant cellular module proactively protects your investment past the January 2029 U.S. Connected Vehicles Ruling compliance deadline.

### FEATURES

- > **Xirgo scripting engine** — Script 100+ parameters and geofence logic to create custom events most critical to your unique operations
- > **4G LTE Cat 1 bis** — AT&T, Verizon, and T-Mobile certifications for total carrier flexibility
- > **Plug-and-go harnesses or direct wiring** — rapid deployment across every vehicle class
- > **1-Wire bus, dual analog/digital I/O, digital outputs** for Driver ID, fuel level, and various other accessory integration
- > **Bluetooth® 5.4 LE** — longer range, faster pairing, and stronger security for next-gen accessories
- > **Optimized sleep modes & rechargeable backup battery** — Enabling final-position reporting and tamper alerts



### HIGHLIGHTS



**CVR-Ready hardware**  
Future-proofed for U.S. compliance



**14.4mm (0.57") slim profile**  
Covert installs without compromise



**Custom scripting engine**  
Enables limitless custom algorithm development



**Rechargeable battery**  
Final-position reporting after main-power loss

## XFV-100 TECHNICAL SPECIFICATIONS — NORTH AMERICA

|                                  |                                                                                    |                                                                                                |
|----------------------------------|------------------------------------------------------------------------------------|------------------------------------------------------------------------------------------------|
| <b>Mechanical</b>                | Dimensions                                                                         | IP54: 3.55" × 1.95" × 0.57" (90 × 50 × 15 mm)<br>IP67: 3.74" × 2.11" × 0.81" (95 × 54 × 21 mm) |
|                                  | Weight                                                                             | IP54: 1.7 oz (47.5 g)<br>IP67: 2.1 oz (58.5 g)                                                 |
|                                  | Housing Material                                                                   | Polycarbonate (Black)                                                                          |
|                                  | Flammability                                                                       | UL 94 V-0                                                                                      |
|                                  | Seal                                                                               | IP54 (XFV-101/XFV-102)<br>IP67 (XFV-103/XFV-104)                                               |
| <b>Electrical</b>                | Input Voltage                                                                      | 12/24 VDC Nominal<br>9–31 VDC Range                                                            |
|                                  | Average Idle Current                                                               | 40 mA @ 12 VDC Input                                                                           |
|                                  | Sleep Current                                                                      | <2 mA @ 12 VDC Input                                                                           |
|                                  | Battery                                                                            | 210 mAh Lithium Ion                                                                            |
|                                  | Connector                                                                          | 5 or 8 Pins by Variant                                                                         |
| <b>Environmental</b>             | Operating Temperature<br><i>(Range within which the device will transmit data)</i> | -13° to 140° F (-25° to +60° C)                                                                |
|                                  | Recommended Storage Temperature                                                    | -4° to 113° F (-20° to +45° C)                                                                 |
| <b>Communications</b>            | Cellular                                                                           | 4G LTE™ Cat 1 bis                                                                              |
|                                  | Cellular Bands                                                                     | 4G LTE™: B2, B4, B12, B13, B66                                                                 |
|                                  | SIM Card                                                                           | 4FF Slot                                                                                       |
|                                  | Bluetooth®                                                                         | 5.4 LE                                                                                         |
| <b>Positioning &amp; Sensing</b> | Constellation Support                                                              | GPS L1, GLONASS L1, Galileo E1, BDS B1                                                         |
|                                  | Time to First Fix                                                                  | Cold Start 27s<br>Hot Start 2.2s                                                               |
|                                  | Sensitivity                                                                        | Cold Start -146 dBm<br>Reacquisition -159 dBm<br>Tracking -166 dBm                             |
|                                  | Accuracy                                                                           | 2.5 m CEP50                                                                                    |
|                                  | Sensors                                                                            | 3-Axis Accelerometer                                                                           |
| <b>Certification</b>             | FCC, PTCRB, IC, RoHS, AT&T                                                         |                                                                                                |
| <b>Warranty</b>                  | One Year                                                                           |                                                                                                |

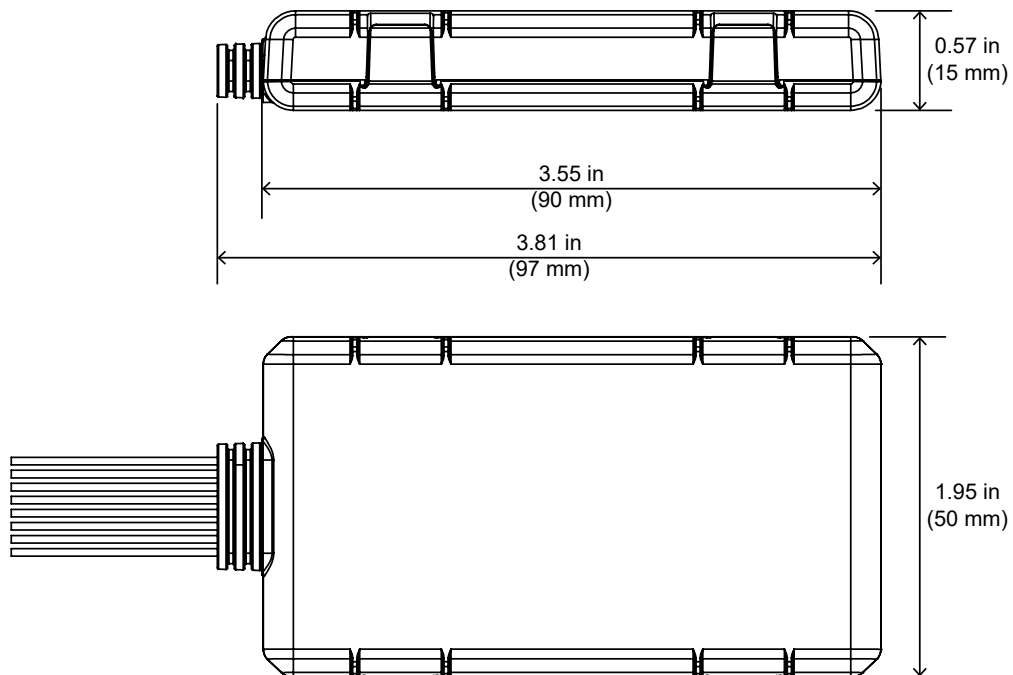
## SERIES VARIANTS

| Variant (Part Number)                | XFV-101NA | XFV-102NA | XFV-103NA | XFV-104NA |
|--------------------------------------|-----------|-----------|-----------|-----------|
| Enclosure                            | IP54      | IP54      | IP67      | IP67      |
| Connector Type                       | 5 Wires   | 8 Wires   | 5 Wires   | 8 Wires   |
| 1-Wire Bus                           | No        | Yes       | No        | Yes       |
| Analog/Digital Input (Dual Use Pins) | 2x        | 2x        | 2x        | 2x        |
| Digital Output                       | 1x        | 2x        | 1x        | 2x        |

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## XFV-100 MECHANICAL DRAWINGS

### IP54 ENCLOSURE



### IP67 ENCLOSURE

