# Forte Data Glove

**Enterprise Edition Technical Specs**

<table>
<thead>
<tr>
<th><strong>CPU</strong></th>
<th>Arm Cortex-M0+ 32-Bit MCU</th>
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<tbody>
<tr>
<td><strong>Communication</strong></td>
<td>Serial over USB 2.0 and Bluetooth (Up to 20m wireless capability)</td>
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</tbody>
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| **Tracking** | **Finger tracking:** Analogue smart fabric sensors on all fingers, 10 total, 0.7° bend resolution  
**Orientation Sensor:** 9-degree IMU (Inertial Measurement Units) module, equipped with 14-bit accelerometer, high performance magnetometer, and advanced 16-bit triaxial gyroscope |
| **Sensor Performance** | **Sample rate:** 200 Hz sample rate  
**Latency:** 150 frames per second data rate, <5 ms  
**Bend accuracy and repeatability:** +/- 1.5 degrees |
| **Haptics** | 6 non-resonant actuators (1 per finger and palm)  
4+ Octave frequency response from 100 Hz to 2000 Hz |
| **Physical Characteristics** | **Size:** One size fits most (min-max hand length: 170-200mm; min-max hand width: 80-100mm)  
**Weight:** 3.65 oz  
**Color:** Black  
**Textile Information:** Neoprene, nylon and spandex  
**Operating Temperature:** 32°F - 104°F |
| **Power (wired and wireless)** | **USB-powered:** USB-C  
**Battery:** Built-in rechargeable Lithium Polymer Battery  
**Battery Duration:** 6 - 8 Hours (depending on use)  
**Charging:** 2 hours, over USB |
| **Application Support** | **Platform support:** Android, iOS, Mac, Windows and Linux  
**Supported Languages:** Python, C++, Java  
**Development support:** Unity SDK, Unreal SDK, Python SDK, Data Glove API, built-in utilities for calibration, pose and gesture recognition, collision detection, haptic control and bi-directional communication |
| **Documentation** | Quickstart guide, full documentation for Unity and Unreal SDK, API, with demo scenes, haptics examples and tutorials. |
| **Demos** | The glove ships with example scenes to showcase the glove’s unique features. |