

# Forte Data Glove

## Enterprise Edition Technical Specs

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