

Xsens Motion Capture Hardware options

xsens



	Xsens Awinda Starter	Xsens Awinda	Next-Gen Xsens Link new
Max update rate	60 Hz	60 Hz	240 Hz
Wireless range	25 m	50 m	150 m
Battery life	12 h	12 h	Internal: 4 h; External: 8 h
Wireless communication	Radio protocol (Awinda protocol)	Radio protocol (Awinda protocol)	Wi-Fi 6E (2.4 / 5 / 6 GHz)
Wireless datalink	Dongle antenna (1 per person)	Awinda station (1 per person)	Access point (multiple persons)
Latency	30 ms	30 ms	20 ms
On-body buffering	30 sec	30 sec	10 min
Sensors	17 wireless sensors	17 wireless sensors (+1 wired prop sensor)	17 wired sensors (+ 1 wired prop sensor)
Clothing	Full body strap set (this includes 3 t-shirts (sizes S, L, XXL) and a strap set)	Full body strap set (this includes 3 t-shirts (sizes S, L, XXL) and a strap set)	Full body eSuit (ordered separately, sizes XS-XXL)
Charging	USB cables for Awinda sensors, plus a 6-port USB charger	Charging station for Awinda sensors	Hot-swappable batteries, USB-C PD wall charger
Hardware synchronisation	Optional, with additional Awinda station	Included via BNC connectors	Optional, with additional Awinda station
Casing	Neoprene schell case	Sturdy neoprene case	Rugged pelican case
Finger tracking	Full compatibility with Manus gloves and StrechSense	Full compatibility with Manus gloves and StrechSense	Full compatibility with Manus gloves and StrechSense
On-Body Recording (OBR)	✗	✗	50 h storage