

Multiarticulating Hand Comparison

US Market - June 2024*

Information listed has been confirmed by manufacturers. Reader needs to do own due diligence on all information.

- Based on information that is publicly available. Confirmed by manufacturers *
- Össur has the i-limb access, i-limb ultra, i-limb quantum **
- Check with manufacturer on the specifics ***
- While a glove is not required with the bebionic hand, IP-22 rating is achieved with a glove ****

Honorable mentions:

- Not in the US market:
 - Esper Bionics (PDAC approved), Vincent Hand
- Don't fit into same criteria:
 - Michelangelo, Luke Arm

Control Strategies:

- All are single & dual site compatible
- COAPT compatible with all but Hero Arm
- Gesture Control - i-limb quantum
- Own pattern rec system - Adam's Hand
- MyoPlus pattern rec system available for bebionic

Some Notable Differentiators:

- Ease of control linked to the fully-adaptive grip (so no need to select grip pattern through muscle contractions), thus reducing the cognitive load and the muscle fatigue on Adam's Hand
- Field replaceable fingers are now available on the bebionic
- Has a three-way digit control system, in addition to a built-in E-Paper screen that can display troubleshooting issues & training info during set-up on COVVI hand
- 3 hands, 4 wrists, and up to 4 control methods for i-limb
- Custom covers & breathable socket & a 3 or 4 motor option for Hero Arm
- Haptic feedback with sensors in digits on Ability Hand
- Resettable knuckles protect fingers from damage on TASKA
- Web based software allows clinician remote access to the ZEUS hand

Other Considerations:

- When selecting or fitting a myoelectric multiarticulating hand please do your due diligence as other considerations, other than those listed here, should be evaluated. Such as:
 - Extended Warranty
 - Unique user goals/needs/expectations
 - Unilateral vs. bilateral
 - Cognitive load
 - Grip strength
 - Carry load
 - Price & Insurance
 - Loaner Program
 - Inventory - Shipping Readiness
 - Customer Support
 - Etc.

LEGEND		
	Present	
	Not available	
	Unkown	

Multiarticulating Hands/ Features	BionIT Labs - Adam's Hand	ottobock - bebionic	COVVI Hand	Össur - i-Limb**	open bionics - Hero Arm	Psyonic - Ability Hand	TASKA - Gen2 & CX Hands	Aether Biomedical - Zeus Hand
Clinician & User App								
Button to ease set up/access grips (on hand/socket)								
Speed of opening Power Grip	1.2 SEC	1 SEC	0.6 SEC	0.8 SEC	1 SEC	0.2 SEC	0.7-0.9 SEC	1.2 SEC
Sizes	MEDIUM	S, M	S, M, L	XS, S, M, L	S, M, L	S, L	CX HAND, M, L	MEDIUM
Field Serviceability***								
Remote Access				***		***		
Req. Covering								
Accessibility to grips via***	THUMB POSITION (0, 45, 90°) HAND POSITION IN SPACE	MYOSIGNALS THUMB POSITION BUTTON	MYOSIGNALS APP BUTTON	MYOSIGNALS APP GRIP CHIPS GESTURE CONTROL	MYOSIGNALS BUTTON	MYOSIGNALS APP BUTTON	MYOSIGNALS APP BUTTON	MYOSIGNALS APP
3D Printed								
IP Rating	IP-67	IP-22****	IP-44	IP-22	IP-20	IP-64	IP-67	
Flex Wrist	AVAILABLE IN Q3 2024	AVAILABLE	INTEGRATED	AVAILABLE		COMPATIBLE	INTEGRATED	
Years of Warranty	2 YEARS	3 YEARS	2 YEARS	2 YEARS	1 YEAR	2 YEARS	2-3 YEARS	2 YEARS
Powered Thumb	MANUAL	MANUAL	POWERED & MANUAL	POWERED & MANUAL I-LIMB ACCESS ONLY MANUAL	POWERED & MANUAL			MANUAL
Touch Screen Capacity							CX HAND ONLY	
PDAC Approval				I-LIMB ACCESS/ULTRA ONLY				
Weight	570g - QWD 530g - SHORT WRIST	S: 433g, M: 616g - QWD S: 402g, M: 588g - SHORT WRIST S: 504g, M: 689g - FLEX	657g - QWD + FLEX	XS-L: 432g - 558g - QWD XS - L: 392g - 518g - WRIST DISC. XS - L: 532g - 658g - FLEX XS - L: 427g - 553g - FRICTION	280g - 346g	490g - 500g	CX: 430g, M: 556g, L: 595g - LOW PROFILE CX: 471g, M: 605g, L: 644g - QWD	590g - QWD

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Sizes	MEDIUM	S, M	S, M, L	XS, S, M, L	S, M, L	S, L	CX HAND, M, L	MEDIUM
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Accessibility to grips via***	THUMB POSITION (0, 45, 90°) HAND POSITION IN SPACE	MYOSIGNALS THUMB POSITION BUTTON	MYOSIGNALS APP BUTTON	MYOSIGNALS APP GRIP CHIPS GESTURE CONTROL	MYOSIGNALS BUTTON	MYOSIGNALS APP BUTTON	MYOSIGNALS APP BUTTON	MYOSIGNALS APP
IP Rating	IP-67	IP-22****	IP-44	IP-22	IP-20	IP-64	IP-67	
Years of Warranty	2 YEARS	3 YEARS	2 YEARS	2 YEARS	1 YEAR	2 YEARS	2-3 YEARS	2 YEARS
PDAC Approval				I-LIMB ACCESS/ULTRA ONLY		