

Which MPK is right for my child?

Choosing the right microprocessor knee for your child can feel overwhelming, especially when faced with lots of technical terms and detailed information. To make things clearer, we’ve put together a simple overview of the key features and benefits, showing how they relate to everyday life. This will help you see, at a glance, whether your child might be better suited to a Kenevo or a C-Leg. And remember, you won’t have to make this decision alone, your child’s clinical team will guide and support you every step of the way.

	Kenevo	C-Leg 4
Patient type	Designed for users at the start of their rehabilitation journey, or those with more complex mobility needs	Built for users looking for a solution that can keep up with their busy everyday lives
Weight limit	150kg / 330lbs	136kg / 300lbs
Structural Height	The shortest build height on the market allows younger children to access MPK technology	One of the shortest build heights allows younger children to access MPKs earlier
Physical weight	The lightest MPK on the market helping to reduce energy expenditure	Light but still robust, the C-Leg weighs 1.25kg meaning less energy is required for movement and greater comfort throughout the day
Wheelchair function	For Kenevo users who occasionally require a wheelchair, the wheelchair function can be enabled, causing the Kenevo to lock in a seated position with knee flexion between 5 and 45	High activity patients with C-Leg often do not require a wheelchair for mobility
Walking	The Kenevo features three distinct modes that adapt alongside the patients rehabilitation progress	Designed for confident walkers, the C-Leg can adapt to different walking speeds changing behaviour from slow to fast
Standing	When Kenevo detects standing with a bent knee, it locks to provide extra support and relieve pressure on the sound leg	When C-Leg detects standing with a bent knee, it locks to provide extra support and relieve pressure on the sound leg
Sitting Down	The resistance can be adjusted for the users to support sitting down, minimising the forces on the sound leg	The resistance can be adjusted for the user to support sitting down, minimising strain on the sound leg
Sitting Function	When the sitting function is activated, the Kenevo detects when a user is sitting down and lowers automatically	When in a seated position for more than 2 seconds, the C-Leg can switch into the sitting function, reducing flexion resistance for a smooth leg swing
Supported sit-to-stand	The Kenevo automatically senses when users stand, matching their speed to keep them stable and hands-free of using a chair or walking aid	The C-Leg automatically prepares and stabilises when a user stands from sitting
Slopes and stairs	Depending on the activity mode selected, the level of support can be adjusted allowing the user to always have confidence in the next step	The C-Leg automatically provides resistance when needed, meaning children can descend smoothly and confidently down stairs and slopes
Stance phase flexion	The Kenevo’s stance phase flexion lets the knee bend slightly at heel strike for a more natural, stable gait on slopes and uneven surfaces	C-Leg’s adjustable stance phase flexion enhances safety and confidence on slopes, stairs and uneven ground
Stumble recovery plus	The Kenevo is always prepared, providing stumble recovery plus throughout the entire swing phase without needing to detect a stumble	C-Leg 4 offers additional protection with enhanced Stumble Recovery Plus, giving users greater stability and confidence by reducing the risk of falls
Manual lock	Kenevo’s manual locking function lets users easily secure the knee in extension with a simple tap, even though a cover or cosmesis - ideal for sports or extra safety	C-Leg’s manual locking function lets users easily secure the knee in extension with a simple tap, even through a cover or cosmesis - ideal for sports or extra safety
Activities & Hobbies	The Kenevo can be used on an indoor bike, either in clinic to support rehabilitation or at home to improve fitness	The C-Leg has two additional modes available that can be adjusted to suit the chosen activity or hobby, such as skiing or cycling
Covers & protectors	The Kenevo has an optional cover, perfect for protecting the knee from everyday bumps and scratches	C-Leg 4 has a range of covers and finishes, allowing then user to add a more personal touch to their prosthesis - including a customisable shield insert
Charging & Battery life	Kenevo has a full days battery life depending on use, and can be charged over night ready for another day of adventures	The C-Leg charges fully in 8 hours or 50% in 2 hours, providing about 2 days of use depending on activity. Its handy light system shows charging status and signals when fully charged
USB charging	The Kenevo includes a USB adapter, allowing users to charge via wall outlet or portable charger anywhere	The C-Leg includes a USB adapter, allowing users to charge via wall outlet or portable charger anywhere
Cockpit App	The Cockpit app enables users to switch modes and provides information on the knee joint such as battery charge level	The Cockpit app allows the users to make small adjustments to their C-Leg at home, whilst also providing information
Training Function	Kenevo ABC app means Therapists can fine tune settings in clinic to aid a patient’s rehabilitation journey	The C-Leg training function delivers auditory feedback to assist users and Therapists in verifying a successful stance release during gait training sessions