

# WHO NEEDS CAMBRIONIX HUBS!

## Where high-volume device management is critical

- Mobile test labs and app QA (need fast, reliable data for many devices).
- Device refurbishment / ITAD and reverse logistics centers.
- Education (schools, universities managing iPads/Chromebooks).
- Shared device fleets in healthcare, retail, transport, government
- Cambionix hubs come with multi-year software, warranty, and support bundles, which shows quality and long-term backing.

## Why Cambionix hubs?

- Much faster data throughput per port (e.g., 4–5 Gbps vs standard hubs).
- Intelligent, high-wattage USB-C/PD charging per port (up to about 60 W) for stable testing and charging.
- Remote management, scheduling, and monitoring via Cambionix Connect, API, and CLI.

## With Cambionix hubs you can

- Process up to 96 devices in one run using daisy-chained ThunderSync hubs.
- Guarantee stable power and data during long test runs, reducing failed batches.
- Prolong battery life of devices.

## Comparison with Generic Hubs:

Feature	Cambionix ThunderSync5-C16	Generic 16-port hub
Data speed per port	Up to 5 Gbps, min ~1.25 Gbps guaranteed	Shared, often <1 Gbps, not guaranteed
Total devices per chain	Up to 96 via daisy-chain	Typically single hub only
Power delivery	Up to 285 W total, 4.5–60 W per port with profiles	Fixed, unmanaged power
Management	Connect software, API, CLI, scheduling	None or basic LEDs

## Helpful Videos : <https://bit.ly/cambionixSAELIG>

- Target Charge with 4.5W Trickle Charge demo
- ThunderSync5-C16 Hub Overview
- Revolutionizing Mobile Device Management (USB Charge/Sync)

## Articles: <https://www.saelig.com/articles.htm>

- [Using Cambionix USB hubs with Chromebooks In Educational Settings](#)
- [How to deploy Apple devices in K-12 and Higher Ed within short deadlines](#)
- [Challenges In The Use of Mobile Healthcare Devices](#)
- [Simplifying DFU Mode With Connect Premium](#)



## How are you currently charging and syncing 50+ devices at once?

Cambrionix can remove that probable pain point! ThunderSync hubs compete in a different class from typical consumer USB hubs, offering a complete mobile device management solution

### ThunderSync vs generic USB hubs

Aspect	Cambrionix ThunderSync3 (C10/C16)	Typical consumer USB hub/dock
Target use	Device labs, QA, provisioning, refurb lines	Personal desktop expansion, light office use
Upstream	Thunderbolt 3 at 40 Gbps for host, plus TB expansion port	USB-C or USB-A, usually 5–10 Gbps shared
Downstream ports	10–16 USB-C/USB-A at up to 5 Gbps each	4–10 mixed ports sharing one link
Power per port	Around 2.4–3 A, 12–15 W per port; designed to sustain across all ports	Often ≤0.9–2.4 A per port, may drop when fully populated
Scalability	Daisy-chain multiple hubs via TB to 48–96 devices while maintaining speed	Usually one hub only; no scale-out chain
Management	Cambrionix Connect, API, and CLI for monitoring, scripting, automation	Little or no per-port control; no central management
Typical users	Labs, refurbishers, education IT, high-volume device users	Individual users, small offices

ThunderSync hubs may have a higher price tag, but give a much higher aggregate throughput, controlled power delivery, and fleet-scale management that consumer hubs simply do not offer.

### ThunderSync vs Programmable Lab Hubs - Competitive comparison

Aspect	Cambrionix ThunderSync3-16	A*** USBHub*(example)
Max data rate per port	Up to 5 Gbps USB 3.x	Up to 10 Gbps USB 3.2 Gen 2
Upstream connectivity	1 Thunderbolt 3 host + 1 TB expansion, 40 Gbps	Up to 6 upstream hosts (USB), flexible routing
Ports	16 downstream USB-A ports	8 USB-C ports (3c), or other mixes depending on model
Power delivery	Up to about 2.4 A/12 W per port, optimized for many mobile devices	USB-PD up to 20 V / 5 A per port, detailed current limiting and PD analysis
Software	Cambrionix Connect, API, CLI, device-fleet oriented	Browser GUI, APIs, deep per-port logging and PD analysis
Primary focus	High-density syncing/charging for large numbers of similar devices (iPads, phones, tablets, VR, etc.)	Flexible test automation, compliance, and power-delivery characterization

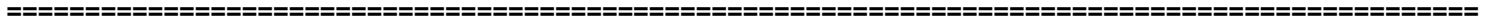
**Positioning:**

- ThunderSync is stronger where you need to move data to many devices at once and keep them powered reliably (provisioning, QA racks, education fleets).
- Compared with consumer hubs: drastically higher sustained throughput to many ports, guaranteed power, and professional management tools.
- Compared with other lab hubs: higher port density and Thunderbolt-based daisy-chaining for big device banks, optimized for imaging and testing lots of similar devices rather than protocol analysis.

Cambrionix ThunderSync is the obvious choice for speed, versatility, and software control!

Everyone benefits from Cambrionix hubs!

Available now from Cambrionix authorized dealer Saelig Co. Inc. <https://www.saelig.com/category/cambrionix.htm>



**About Cambrionix**

*Cambrionix Ltd (Cambridge UK) are leaders in mobile charging technology and connectivity which benefit the world of mobile device computing in Education, Business and Consumer environments. Their smart, software-driven USB hub products allow multiple USB-based products to be intelligently and optimally charged based on stored product profiles, and software-synced at the same time, via an Ethernet connection if necessary. This is ideal for educational establishments or manufacturers who want to keep all their USB-based products updated to the same software revision – even when located remotely.*

*Cambrionix is an innovative and rapidly growing tech manufacturer dedicated to revolutionizing the way enterprises charge, connect and manage mobile devices. Their cutting-edge USB hubs and software enhance efficiency, productivity and profitability for businesses worldwide. They are committed to pushing the boundaries of technology to enable organizations to reliably charge, connect and manage mobile devices to improve business efficiency and customer experience. They have the reputation of building the most powerful and reliable USB hubs for sale on the market today.*

