



CIPHERBOLT™

Information-Theoretically Secure Control Plane
Networking at Commodity Silicon Prices

Easy Reading Introduction

By JumPedal

Peter St. George
Founder & CEO
JumPedal

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JUMPEDAL'S CIPHERBOLT™ NETWORK

CipherBolt is the first and only network system that makes the Internet's hidden "**control plane**" - the part that decides where every packet of data goes - completely unbreakable, even against a quantum computer that hasn't been built yet. Two tiny chips (costing less than a dollar) sit inside normal routers, phones, and cloud servers, create perfect random keys on the spot, shrink them down to almost nothing with clever math, and hide them inside the boring "where should this packet go?" messages that already fly around the Internet. The other side of the network (the receiving side) rebuilds the exact same key without anyone in the middle ever seeing it. It's like two friends across a stadium hearing the same secret song perfectly while everyone else hears only noise.

The result: the nervous system of the Internet can never be hijacked - forever - and it works on the wires and airwaves we already have, **no new cables, or fiber needed.**

Imagine the Perfect Lock

- In 1917, someone invented a lock that is mathematically impossible to pick. Not "really hard" - literally impossible, even if the attacker has every computer on Earth for a billion years. That lock is called a "one-time pad." Governments and spies have used it for 100 years when they really, really don't want anyone reading their messages.
- The one problem nobody could fix. The lock needs a secret key that is as long as the message itself. So, if you want to send a 1-hour video call securely, you need a key the size of a 1-hour video. How do you get that giant key to the other person without someone stealing it on the way? For 100 years, nobody had a good answer.
- Everyone else tried to fix it with lasers and "quantum magic". They called it QKD (quantum key distribution). It cost \$500,000 to \$1 million per connection. It only works if you lay special dark fiber cables (most of the world doesn't have them), and it only works for a few hundred miles. It still leaves the most important part of the Internet unprotected (the part that decides where traffic goes, the **control plane**).

Result: Almost nobody uses it outside of a few government labs.

- We're fixing it with two chips that cost less than a dollar. Two tiny chips (CipherCoil™ + InfinityCoil™) sit inside normal routers, phones, or cloud servers.
- The CipherCoil microchip rolls its own perfect dice making truly random numbers keys that nobody else can ever predict.
- The second InfinityCoil microchip takes those random numbers, shrinks them down to almost nothing using clever math, producing a "perfect" package the other end of the network sees to direct network traffic. No one in the middle sees the keys, and messages are transmitted securely.
- What part of the Internet do we protect first? The "control plane" — the nervous system of the Internet. It's the part that says: "Hey, send this bank transfer to New York" "Hey, let this phone connect to the tower" "Hey, route Netflix through this cable". If someone hijacks the control

plane, they can steal money, turn off cities, or spy on everyone. We make that part mathematically impossible to hijack — forever.

- Same two chips work everywhere (no new hardware needed). 2027 → Inside routers and 5G towers. 2028 → Inside phones and laptops. 2029 → Inside satellites. 2030 → Inside every connected device on Earth.

Where We're Going – The Money Timeline

Year	Key Milestone	Paired Chip-Sets Shipped	Revenue (ARR)	Valuation / Market Cap
2026	\$5M Series A raised	–	–	Post-money \$185
2027	First 100 paying pilots + early OEM deals	10,000 – 50,000	\$5 – \$15M	\$650M – \$1.2B pre-money (Series B)
2028	Volume OEM ramp begins	500K – 1M	\$50 – \$120M	\$2 – \$4B pre-money (Series C)
2029	Global adoption	5 – 10M	\$400 – \$800M	Nasdaq direct listing \$12 – \$25B market cap
2030	Commodity scale	20M+ annually	> \$1.5B	\$25 – \$50B+ market cap

Revenue mix ~80 % recurring OEM licensing & support ~20 % pilot and integration services

Same two sub-\$1 chips power every product from 2027 through 2030. Total addressable market > \$200 billion — we capture ~0.01 % in year 1 and ~0.5 % by year 4.

That's the Plan. Same Two Chips.

The entire “quantum security” industry spent \$100 billion and failed. We spent a tiny fraction, used ordinary silicon, and actually made perfect security cheap enough for the whole planet.

The quantum hype is dead. The unbreakable Internet just became real — and it costs less than a cup of coffee per device. **No magic. Just execution.**