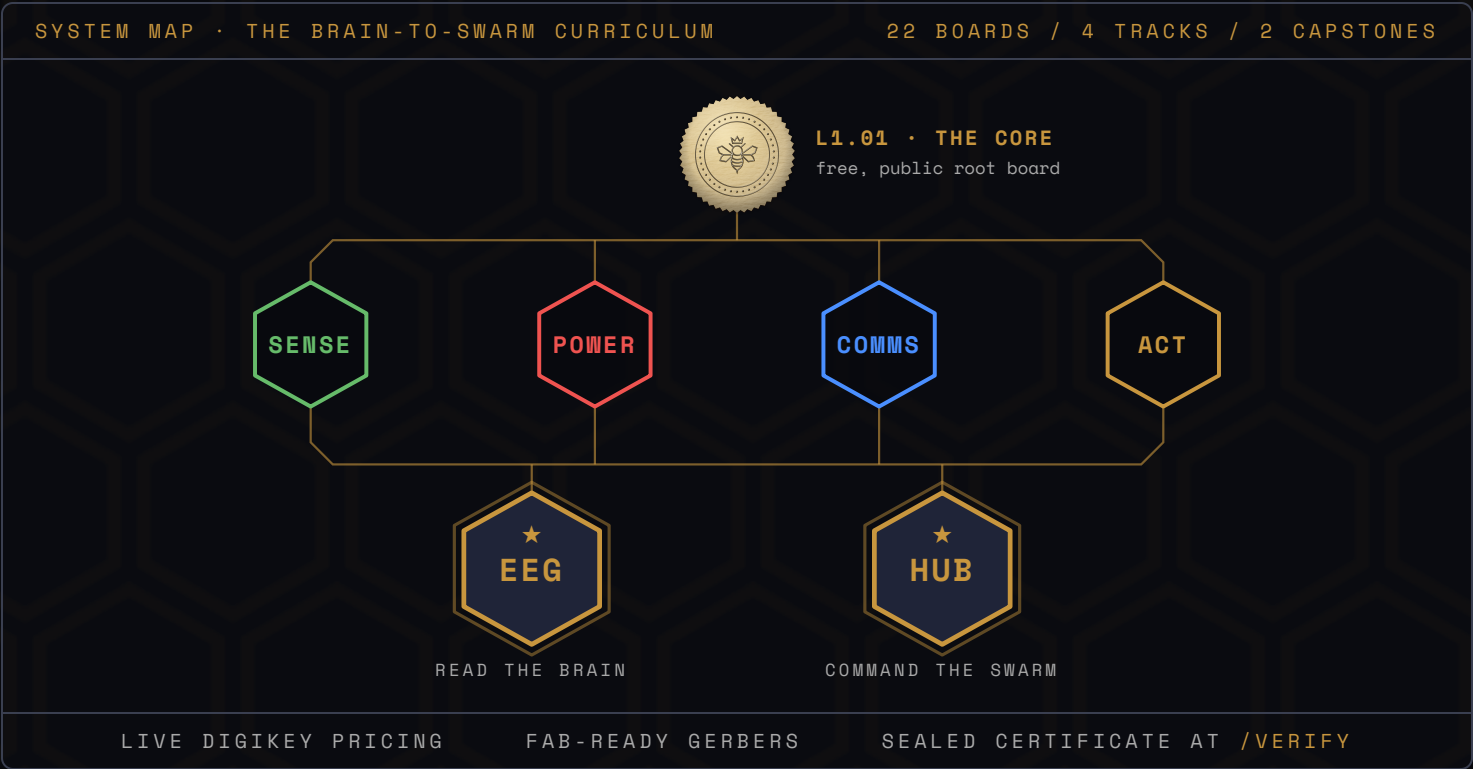


ONE MIND. MANY MACHINES.

SYSTEM SPEC	
PLATFORM	ESP32-S3
TOOLCHAIN	KiCad 10
PROGRAM	Brain-to-Swarm
STRUCTURE	4 tracks / 3 levels
ACCESS	Public → Premium

LEARN TO DESIGN REAL CIRCUIT BOARDS · NO PRIOR PCB EXPERIENCE NEEDED

Start with a USB-C breakout and a real parts list. Each project takes you from a checklist to a finished board: schematic, layout, checks, gerbers, build. The path runs to a brain-computer interface that *reads a mind and commands a fleet*.



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BOARDS YOU BUILD

Real PCBs across sense, act, comms, and power. Not breadboards.

8

STAGES EACH

Requirements, BOM, schematic, ERC, layout, DRC, gerbers, bring-up in KiCad.

L1

STARTS FREE

The flagship board is public and free. Buy later projects once.

1×

YOURS TO KEEP

Every design file and a verifiable certificate, checkable at /verify.

Start free at L1.01 →