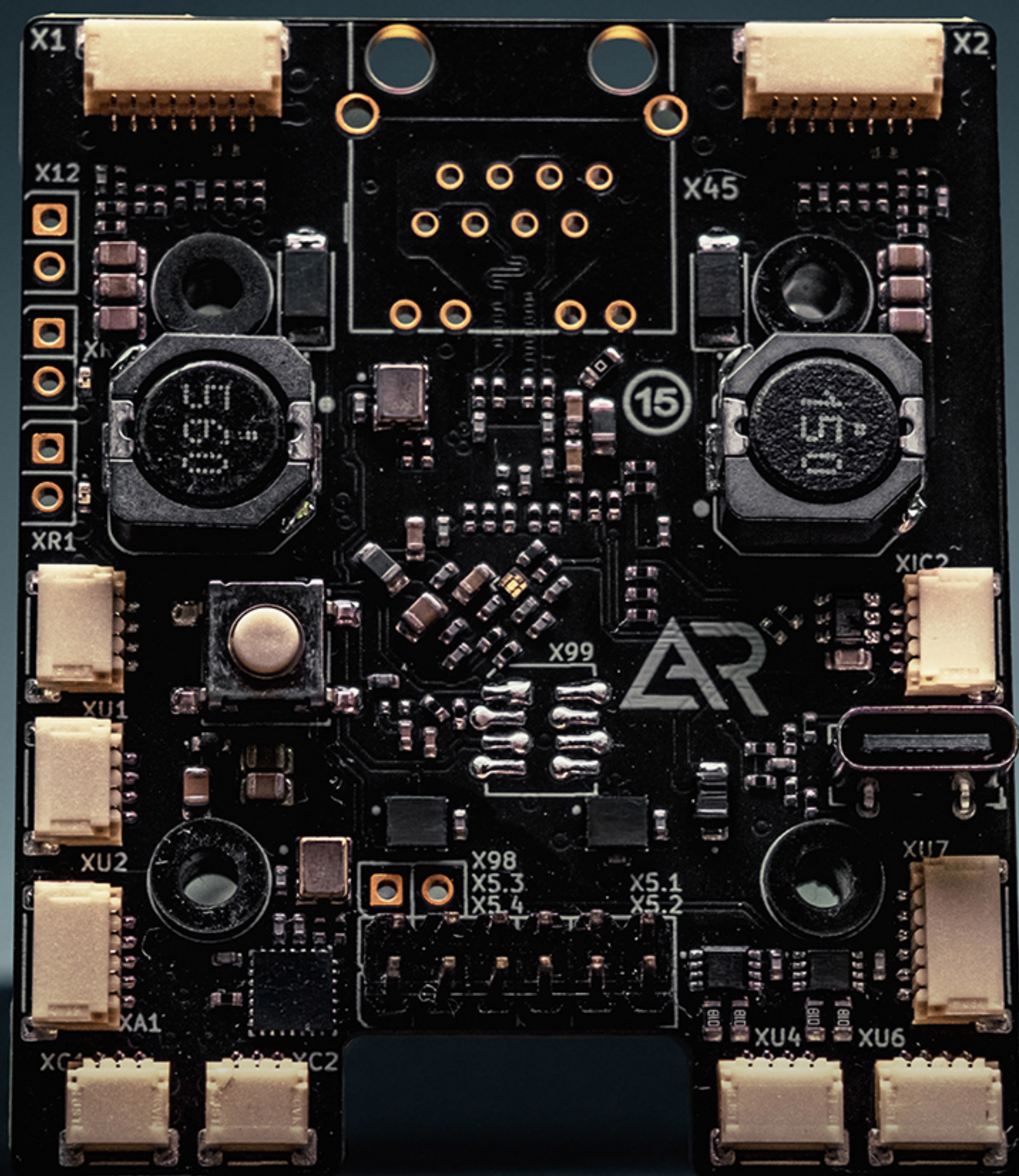




UNFAIR PERFORMANCE BY DESIGN



FLIGHT CONTROLLER

AR32FC

Flight Controller with 14S input capability designed and manufactured in Finland with components from non-China COG. Tailored for demanding applications and offering high capacity throughput with minimal compromises. Reach out and select the next generation of Flight Controller coming from the North for Your platform.

ELECTRICAL

Input voltage	4 – 14 S LiPo
5 V rail	Servo / peripheral, max 3 A aggregate
12 V rail	VTX, max 3 A continuous

FIRMWARE & PROTOCOLS

Firmware	Custom
Protocols	Bidirectional DShot 150 / 300 / 600, Servo PWM
Telemetry	Bidirectional DShot & KISS
Sensors	Dual IMU, barometer, 3-axis magnetometer

PROTECTION

Current limiter | Overcurrent protection
Drain-source voltage monitoring | Stall protection
Cross-conduction prevention | Low voltage cutoff
Temperature protection | Stuck rotor protection
Rotor lock detection | Signal loss timeout
Transient protection (snubbers, dual TVS)

MECHANICAL & THERMAL

Operating temperature	-30–85 °C
Board size	60 × 60 mm
Mounting pattern	30.5 × 30.5 mm / M4 holes
Cooling	Passive / heat sink

CONNECTORS & INTERFACES

Signal output	2 × JST-SH SM08B
Servo outputs	4
UART ports	6 × JST-SH
Ethernet / I ² C	Optional RJ45 / I ² C (mutually exclusive)
Relays	2 × 12 V / VBAT feed
USB-C	3.3 V digital input
MicroSD	SDMMC / SDIO