

TN-NEXUS

Autopilot • Edge AI • Datalink

One platform. Two interface options.

An integrated architecture brings together flight control, onboard processing and communications in a shared enclosure with Circular or D-sub panel options.



CIRCULAR

2 circular I/O positions + 6 RF ports



D-SUB

2 D-sub I/O positions + 6 RF ports

TN-NAV / CONTROL

Dedicated flight-control board for guidance, navigation and control.

TN-SENSE / EDGE AI

Planned onboard image and sensor processing to support autonomy.

TN-LINK / DATALINK

Planned SDR, mesh and cellular integration for mission connectivity.

ARCHITECTURE & INTERFACES

Architecture	3 board tiers, planned
Flight core	Dedicated TN-NAV board
RF interfaces	2 GNSS · 2 LTE · 2 WiFi
Main I/O	Circular or D-sub panel

MECHANICAL & INTEGRATION

Nominal body ¹	115 × 80 × 100 mm
Enclosure	Shared body across variants
Mounting	External mounting ears
Configuration	Connector and harness selection defined with the integration program

Product under development. Electronic functions are planned capabilities pending validation. ¹ Nominal body dimensions: width × depth × height, excluding connectors and mounting ears. Product visualizations shown; connector selection and final mechanical details are subject to confirmation.