2m / 70cm Antennas

Digital RF Transceiver (AX5043)

RF Splitter/Combiner

Digital RF Transceiver (AX5043)

MRAM

MRAM

Inter-CPU Isolated CAN Link

Fail-over Logic

Primary CPU (TMS570)

Secondary CPU (TMS570)

FAULT Signal

FAULT Signal

Temperature Sensor

Temperature Sensor

CAN Bus Xcvr

Bus Switch

CAN Bus Xcvr

Hardware Watchdog

Power Regulation (Switching)

Power Regulation (Linear)

Hardware Watchdog

Bus Connector

RT-IHU v1.2.1 Block Diagram

To/From Other Subsystems