

AGNC coremicro[®] AHRs/INS Unit Specification

GSA Contract Number: GS-24F-0014K

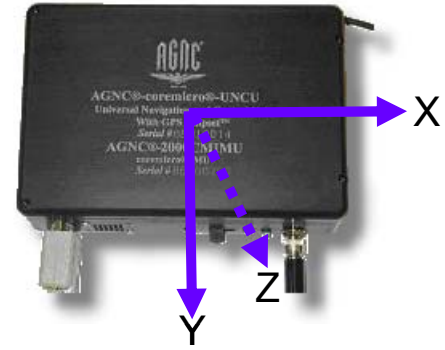
SIN Number: 602-22

AGNC-coremicro-UNCU

Universal Navigation and Control Unit



PARAMETER	SPECIFICATION
Pitch, Roll, Heading Range	$\pm 90^\circ, \pm 180^\circ, 0^\circ$ to 360°
Supply	8-12 VDC
Supply Current at 25°C	0.65 A
Power Consumption	7.8 W
Output Signal Latency	16 mS
Digital Output	USB 1.1, 2 RS-232 ports; Binary and ASCII (NMEA 0183 standard sentences and AGNC proprietary sentences) format
Operating Temperature	-40° to 70° C
Storage Temperature	-40° to 100° C

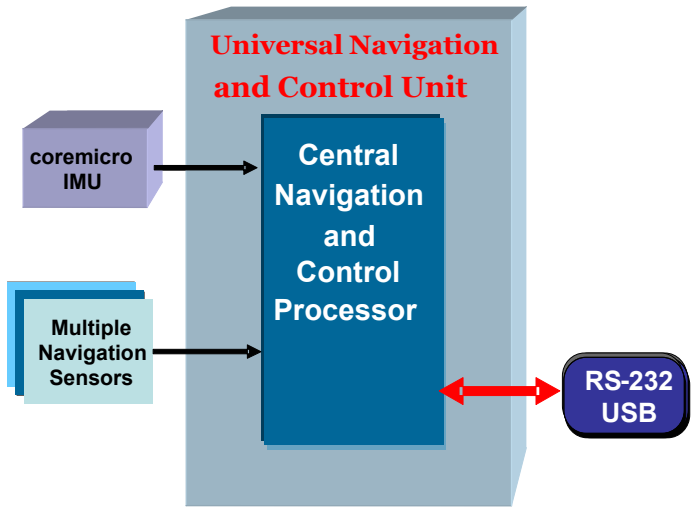


coremicro AHRs/INS OUTPUT PARAMETERS

Parameter	Data Type	Units
Time	Float	Seconds
Rate X	Float	Degrees/Second
Rate Y	Float	Degrees/Second
Rate Z	Float	Degrees/Second
Accel X	Float	Meters/Second ²
Accel Y	Float	Meters/Second ²
Accel Z	Float	Meters/Second ²
Pitch	Float	Degrees
Roll	Float	Degrees
Heading	Float	Degrees

coremicro INS OUTPUT PARAMETERS

Latitude	Double	Degrees
Longitude	Double	Degrees
Altitude	Float	Meters from Sea Level
Velocity X (North)	Float	Meters/Second
Velocity Y (East)	Float	Meters/Second
Velocity Z (Down)	Float	Meters/Second



* PC Based Software for User Calibration and Test

*Accepts Signals from odometer and/or pedometer

Specifications are subject to change without notice
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