
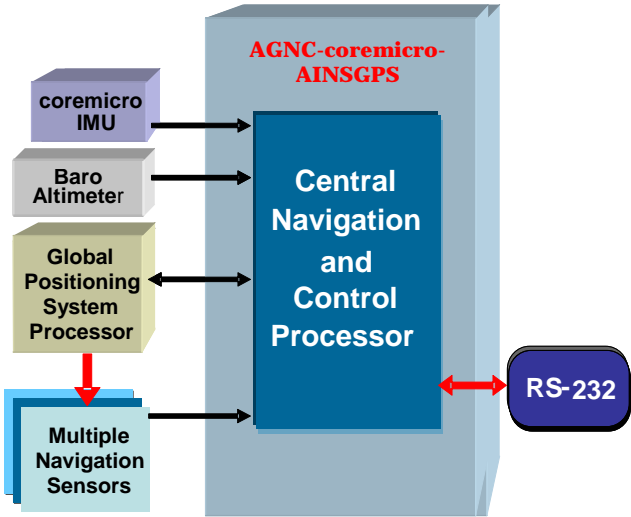


# AGNC coremicro<sup>®</sup> AHRs/INS/GPS Integration Unit Specification



GSA Contract Number: GS-24F-0014K

SIN Number: 602-22 AGNC-coremicro-AINSGPS

PARAMETER	SPECIFICATION	Output Data Stream
<b>Pitch, Roll, Heading Range</b>	± 90°, ± 180°, 0° to 360°	
<b>Supply</b>	8-16 VDC	
<b>Supply Current at 25°C</b>	0.3A (max), 0.15A (typical)	
<b>Power Consumption</b>	3.6W (max), 1.8W (typical)	
<b>Output Signal Latency</b>	16 mS	
<b>Digital Output</b>	RS-232; Binary and ASCII (NMEA 0183 standard sentences and AGNC proprietary sentences) format	
<b>Analog Output</b>	(per customer's specification)	
<b>Angular Rate</b>	±300°/sec.	
<b>acceleration</b>	±18g	
<b>Operating Temperature</b>	-40° to 70° C	
<b>Storage Temperature</b>	-40° to 100° C	
<b>GPS</b>		
<b>12-Channel GPS Receiver.</b>		
<b>DGPS-Ready Unit:</b>	* Incorporates RF signals from WAAS	
<b>Position Accuracy:</b>	*About 3 meters (within the coverage of WAAS service)	
<b>Velocity Accuracy:</b>	*About 0.2 meters/second	
<b>USER INTERFACE</b>		
<b>*RS-232</b>		
<b>OUTPUT DATA STREAM</b>		
<b>*3 angular rates and 3 accelerations (specific force)</b>		
<b>*3 positions (latitude, longitude, and altitude)</b>		
<b>*3 velocity components (north, east, and down)</b>		
<b>*3 attitudes (pitch, roll, and heading)</b>		

Specifications are subject to change without notice  
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