

PERSONALITY MODULE for ARGO4000



Input/Output interfaces
customization and Aiding Sensors
for ARGO 4000 INS Family

PERSONALITY MODULE

for ARGO 4000

The **Personality Module** is a flexible add-on interface for expanding ARGO 4000 interfaces and aiding sensors capabilities.

Ideal for retrofit program where personality module can be designed as Form Fit Function mechanical and electrical interfaces expanding the all digital ARINC or RS422 serial input/output interfaces of ARGO 4000 with analog, Synchro or MIL-1553B interfaces.

Also embedded GNSS receivers can be integrating and coupled to the Inertial Navigation System in a loosely or tightly fashion providing a combines EGI solution (Embedded GNSS INS).



SYSTEM CHARACTERISTICS

Interfaces

RS422/RS232

MIL-1553B

Synchro (optional)

PPS OUT

Data output rate: *up to 500 Hz*

Environmental and Reliability

Operating Temperature: -40°C to $+71^{\circ}\text{C}$

Not-operating Temperature: -55°C to $+85^{\circ}\text{C}$

Altitude: *up to 50,000 ft*

EMC/EMI: *DO-160G*

Vibration: *sinusoidal 5-150 Hz*

random 10-2000 Hz (DO-160G)

MTBF: *> 25000 hours*

Dimensions

WxHxD: 106x30x246.5

Weight

1.5 Kg

Power requirements

28VDC (18-36VDC): < 5 W (configuration dependent)

115AC/400Hz (Synchro Option): configuration dependent

