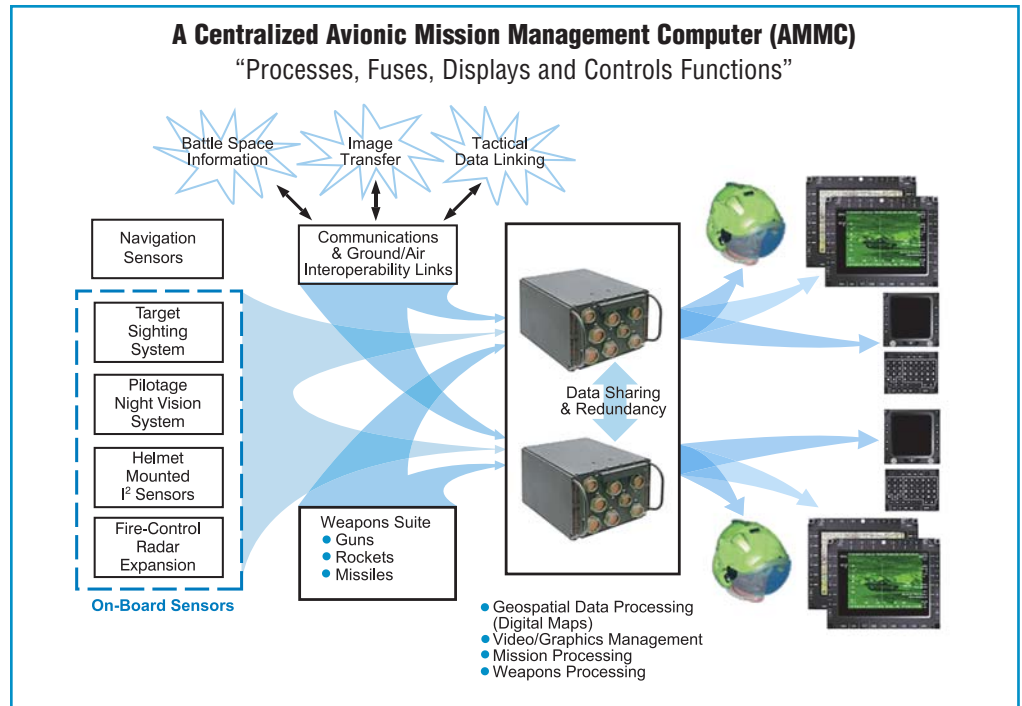


## Integrated Avionics Systems

Mission tailored, maintainable, expandable



### The H-1 Family of Avionics

#### Core Avionics

##### Navigation and digital map system

- Enhanced GPS/INS
- Air data
- TACAN
- ADF

##### Communications suite

- RT-1794 Fully integrated VHF/UHF

##### EW and self-protection

- Radar warning
- CHAFF/FLIR
- Missile warning
- Laser warning

##### Full glass cockpit with HOCAS controls

- 1,024 x 768 pixel displays
- Full access/control at all locations

#### Expansion Options

- Added pilot night vision system
- Incorporation of fire-control radar
- Implementation of Longbow missile
- Image capture, compression and data link

#### AH-1Z Unique

##### Wing stores weapons management and control

- Laser guided HELLFIRE
- Sidewinder
- 2.75 in. rockets
- Bombs/flares

##### 20mm Gatling gun

- Digital gun turret and A/G-A/A ballistics

##### Target sighting system

- 3rd generation FLIR
- Color TV
- Stabilized turret

##### Integrated helmet display and sighting system

- Visor projected
- Integral I<sup>2</sup> cameras
- Accurate DC magnetic tracker

#### UH-1Y Unique

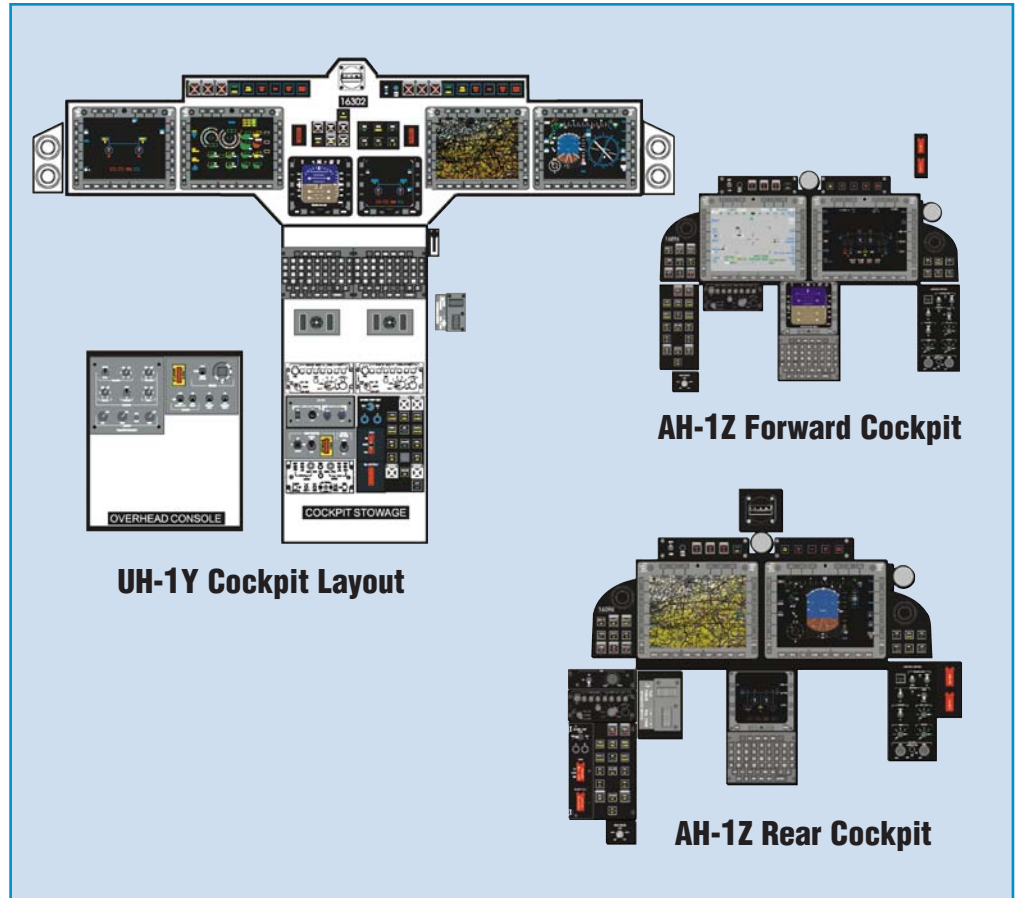
##### Communication suite expansion

- Added VHF/UHF
- Expansion to SATCOM

##### Night targeting and pilot sensor

# Integrated Avionics Systems

Mission tailored, maintainable, expandable



## Modular Cockpit Solutions The H-1 Cockpit Family

- Common high-resolution displays
- Common screen formats (for core functions)
- Common HOCAS designs (for core functions)
- AH-1Z full “flight and fight” from both front and back seats

## Reliability, Maintainability and Growth

- Full Avionic Mission Management Computer and displays redundancy
- Modular avionics components and modular scaleable software
- Avionic Mission Management Computer developed using high-performance technology, in accordance with open architecture standards
- Processing, memory, and bus margins approximately 75% as delivered

AMMC through-put (AH-1Z)	<b>USED</b>	<b>RESERVE</b>	Fitted = 800 MIPS
Operating memory (AH-1Z)	<b>USED</b>	<b>RESERVE</b>	Fitted = 512 Mbytes
External avionic buses (AH-1Z)	<b>USED</b>	<b>RESERVE</b>	Fitted = 3 buses (8 available)

For more information, please contact:

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