MCDE
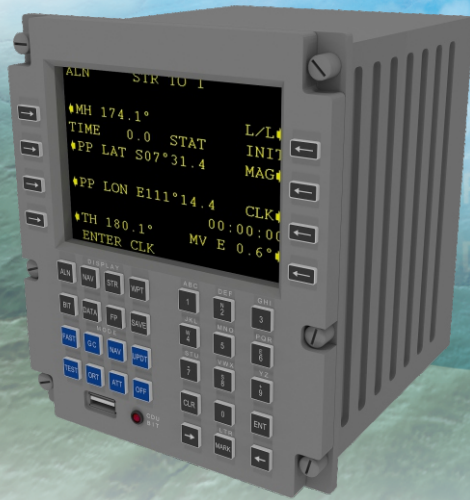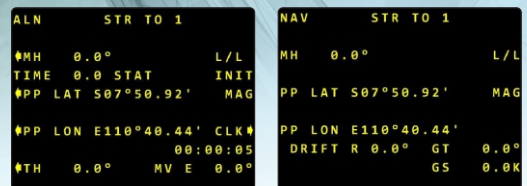## Mission Computer Data Entry

CDU Display

An avionics instrument to input waypoint, maintain flight plans, and display navigation data in real time. It is also used to control INU (Inertial Navigation Unit) to perform alignment process in F-5 E/F Tiger.

MCDE has already passed the airworthiness certification by IDAA (Indonesian Defence Airworthiness Authority) of the Ministry of Defense of the Republic of Indonesia.

FEATURES & BENEFITS :

1. Flight Navigation System Data-Entry
CDU allows pilot to input aircraft mission data, such as waypoint and flight plan.

2. Real Time Navigation Data
Using RTOS (Real Time Operating System), CDU is able to display navigation data in real time.

3. USB Port
CDU is equipped with USB port that allows to transfer and copy mission data via removable media / flash disk.

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SPECIFICATIONS

Aircraft Type		
Type	:	F-5 E/F Tiger
Physical Data		
Length	:	180.5 mm
Width	:	146 mm
Height	:	196 mm
Weight	:	3.5 kg
Embedded		
CPU	:	Embedded Computer Unit
Memory	:	Support Double Data Rate (DDR) DDR2 667 SDRAM up to 2 GB 2nd cache memory on processor
Communication		
Data Protocol	:	MIL-STD 1553B
Data Transfer		
Connection	:	USB Port
Display		
Screen	:	LCD
Resolution	:	640 x 480 pixel
Color Font	:	Yellow
Aspect Ratio	:	3 : 4
Size	:	5"
Operation		
Operating System	:	Real Time OS
Power		
Power Supply	:	28 VDC
Power Consumption	:	20 Watt
Environment		
Temperature	:	-20°C to +50°C (operation) -40°C to +85°C (storage)
Vibration	:	6 g

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