

# YAT-CFM101

## *Compact Flash Memory recorder*

The YAT-CFM101 is a compact and reliable data recorder that uses Compact Flash Memory Card. It provides real time recording RS-485 signal. It is easy to record data and It is easy to read recorded data using personal computer. Reliable design makes this system an ideal choice for operating UAVs and general aviation aircraft at bad environment.

### Features

- Real-Time data recoding
- Use CF(Compact Flash) card
- Low Power Consumption
- Low Weight
- File System : FAT
- Serial communication - RS-485 (750,000 bps)
- Wide operating environment : -20°C ~ 50°C

### Applications

- Unmanned Aircraft Systems
- Avionics Systems

### Architecture

The YAT-CFM101 consists of a communication/processing board. The processing board features a C8051 micro-processor, communication devices and CFM card connector.

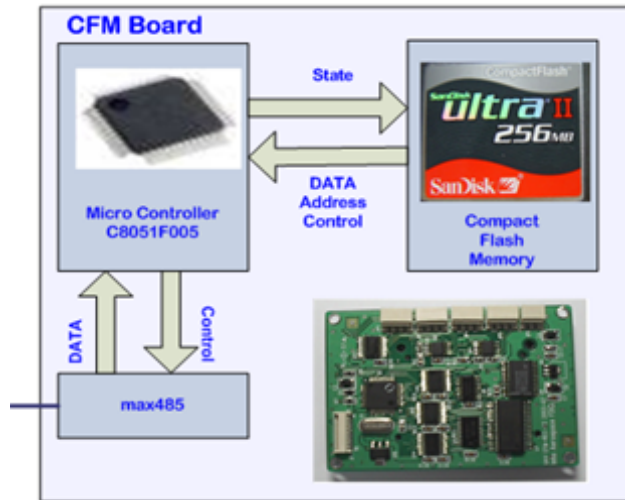




## Specification

YAT -CFM101	
<b>Data</b>	
Max size(Mbyte)	depend on CF card
File system	FAT(File allocation Table)
Communication Rata(bps)	750,000
<b>Physical</b>	
PCB Size(mm)	80 × 58 × 80 [W × H × D]
PCB Weight(g)	50
<b>Electrical</b>	
Supply voltage(Vdc)	9 ~ 12
Consumption current(mA)	40 [@9Vdc]
Interface	RS-485
Connecter type	D-SUB (3pin)

### Block Diagram



### CFM PCB

