

# CIU98480H Datasheet



## HED CIU98480H

32bit ARM CPU, providing 7816 interface, beside hardware CRC calculator, timer counter, Keil uVision IDE, for 128K java telecom application.

### CPU

Based on ARM SC000 RISC processor

CPU	
CPU	32bit ARM
Timer	16/32 bit
System clock	30MHz

### memory

RAM	13KB
FLASH	480KBytes Program 100,000 25 years data retention

### I/O

ISO/IEC7816	ISO/IEC 7816-3 T=0/1 Supporting 8~2048 frequency divide
GPIO	1

### Interface

ISO/IEC 7816-3 compliant T=0 /1 protocol

Security	
Hardware CRC	√
Voltage sensors	√
Software FLASH program protection	√
True Random Number Generator (TRNG)	√
Memory address and data encryption	√

### Electric Features

Current	Dynamic current: 10mA@5.5V,5MHz Standby current: <200uA @5.5V,1MHz Stop Clock current: <100uA@5.5V
Voltage	1.62V~5.5V
Temperature	-25°C~85°C
ESD	≥4KV (HBM)

### Typical application

64K/128K java SIM	√
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### IDE

Keil uVision IDE	√
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### Module package

Module	√
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