

CIU98228H Datasheet



HED CIU98228H

32bit ARM CPU, providing 7816 interface, beside hardware CRC calculator, timer counter, Keil uVision IDE, for 64K java telecom application

CPU

Based on ARM SC000 RISC processor

CPU	
CPU	32bit ARM
Interrupt	5
System clock	30MHz
memory	
RAM	5.5KB
FLASH	228KBytes Program 100,000 10 years data retention
I/O	
ISO/IEC7816	ISO/IEC 7816-3 T=0/1 Supporting 8~2048 frequency divide

Interface

ISO/IEC 7816-3 compliant T=0 /1 protocol, supporting GPIO interface

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 java SIM	√
IDE	
Keil uVision IDE	√
Module package	
Module	√