

FEATURES

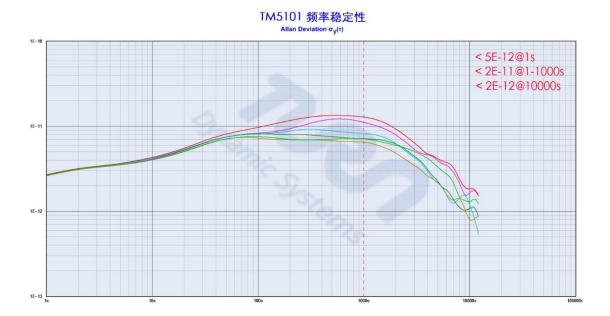
- ◆ 10MHz SC-cut OCXO
- ◆ Output 1-ch 10MHz clock (sine-wave or square)
- Output 1-ch 1PPS time-pulse(synchronized to GNSS)
- ◆ GPS/BDS dual mode GNSS receiver, max. 32 receiver channels
- ◆ Small size, but still high performance <5E-12@1s, <2E-11@1-1000s, <2E-12@10000s *Note: after 1 day tracking, steady state
- ◆ Optimized DPLL algorithm and hardware for higher stability
- ◆ 24 hour averaging frequency accuracy <1E-12
- ◆ 5V power, P_d <4W@start-up, <2W@steady state, 25℃
- USB port for GNSS receiver data log



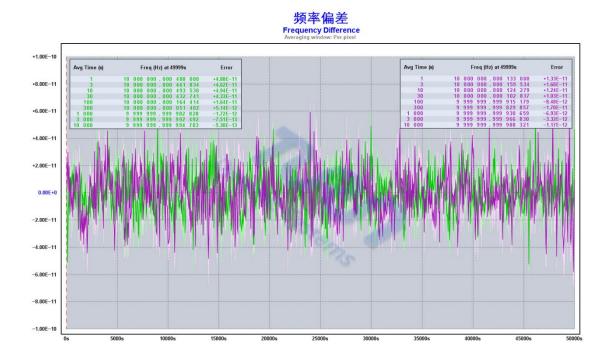




FREQUENCY STABILITY (ADEV, Typical)



FREQUENCY DIFFERENCE vs TIME (Typical)





FRONT PANNEL

LED Indicators & Ports



INDICATORS:

PWR - Power Up Indicator

TRACK - Tracking Indicator, Flicker When DPLL is Tracking GNSS
GNSS Indicator, Light When GNSS Receiver Worked Good
COM - Data Transmit Indicator, Flicker When Data Transmit via USB

PORTS:

USB - Micro USB Data Port

As a VCP (Virtual COM Port) when enumerated successfully on PC The default baud rate is 9600bps, 8 data bit, 1 stop bit, no parity *The USB interface IC is FT232RL, you can download the driver on FTDI

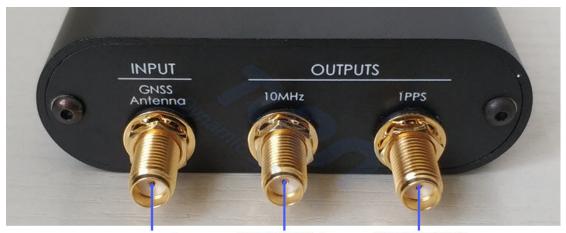
website: https://www.ftdichip.com/Drivers/VCP.htm

POWER - 5V/1A DC Power Supply Input, $5.0V \sim 5.5V$ Voltage Range DC5.5/2.5 socket



REAR PANNEL

GNSS Antenna Input + 10MHz Clock Output + 1PPS Output



GNSS天线输入 10M时钟输出 1PPS脉冲输出 GNSS Antenna 10MHz Clock Output 1PPS Output

GNSS Antenna - GNSS Antenna Input, With 3.3V Antenna Feed

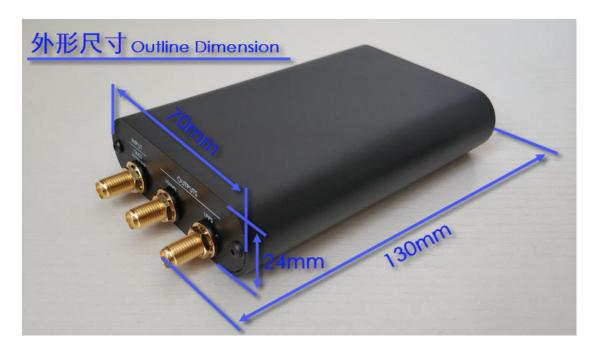
10MHz - 10MHz Clock output, 5V HCMOS(Option: 2Vpp Sine-Wave)

1PPS - 1PPS Timepulse Output, Rise-Edge Active, Positive-Pulse-Width

100ms, 5V HCMOS



OUTLINE DIMENSIONS





ACCESSORIES

Power Adapter (x1):

Input: 100-240V_{AC}, 50/60Hz, 300mA

Output: 5V_{DC}, 1A

USB Cable (x1):

Connectors: USB 2.0 Type-A to Micro-B

Length: 1m

GNSS Antenna with Cable (x1):

Connecter Type: SMA, Female Plug

Mode: GPS/BDS Dual Mode

Feed Voltage: 3V-5V Cable Length: 5m