



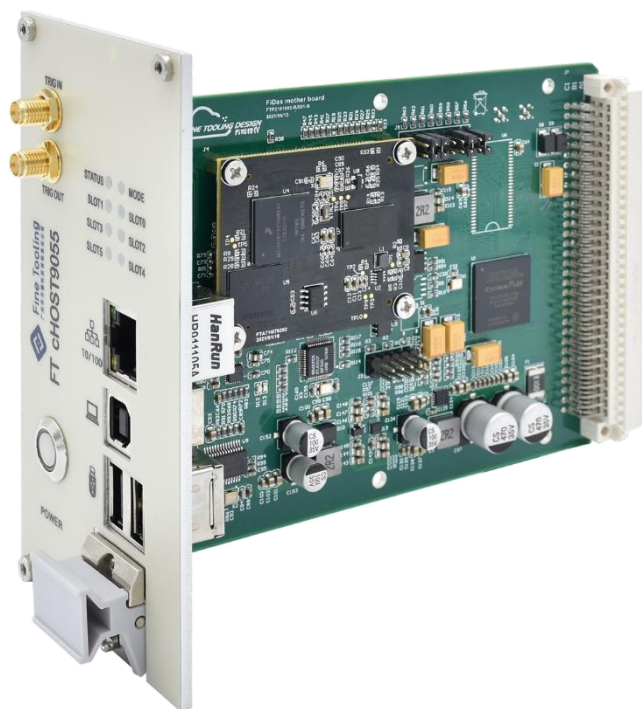
Fine Tooling

广州市方瞳科技有限责任公司

FIDAS FTcHOST90XX主机卡

Embedded Host With Linux OS
Based On FIDAS Family

- 稳定性
- 实时性
- 柔性化



VERSION: ML210817A RELEASED DATE: 2021-08-17

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概述：

FTcHOST90XX属于FIDAS高性价比主机系列。根据不同配置，可以利用内置EMMC或者外置M2SSD来实现大数据存储。FTcHOST90XX自带Trigger IN、Trigger OUT引脚，还可以方便的进行多主机级联。FTcHOST90XX自带Linux操作系统，可以通过以太网、高速USB2.0与电脑通讯。既可以用来做实时测控系统，也可以当做数据记录仪使用。

系统支持： windows XP/10 Linux

软件兼容： LabVIEW Visual Studio FT Studio

产品特性：

- 当用作记录仪使用时，可以设定上传与本地记录同时执行，避免数据丢失
- 多种存储容量和处理器规格可选
- 自带8GBytes ~ 32 GBytes eMMC，无需用户插入外置存储即可进行数据记录
- 高配版支持外接M2 SSD进行更大容量存储
- FTStudio、LabVIEW、Visual Studio等语言在上位机进行二次开发支持
- 对行业仪器，提供主机系统内容程序定制化服务
- 免费的测试软件(HWSUIT For FIDAS)

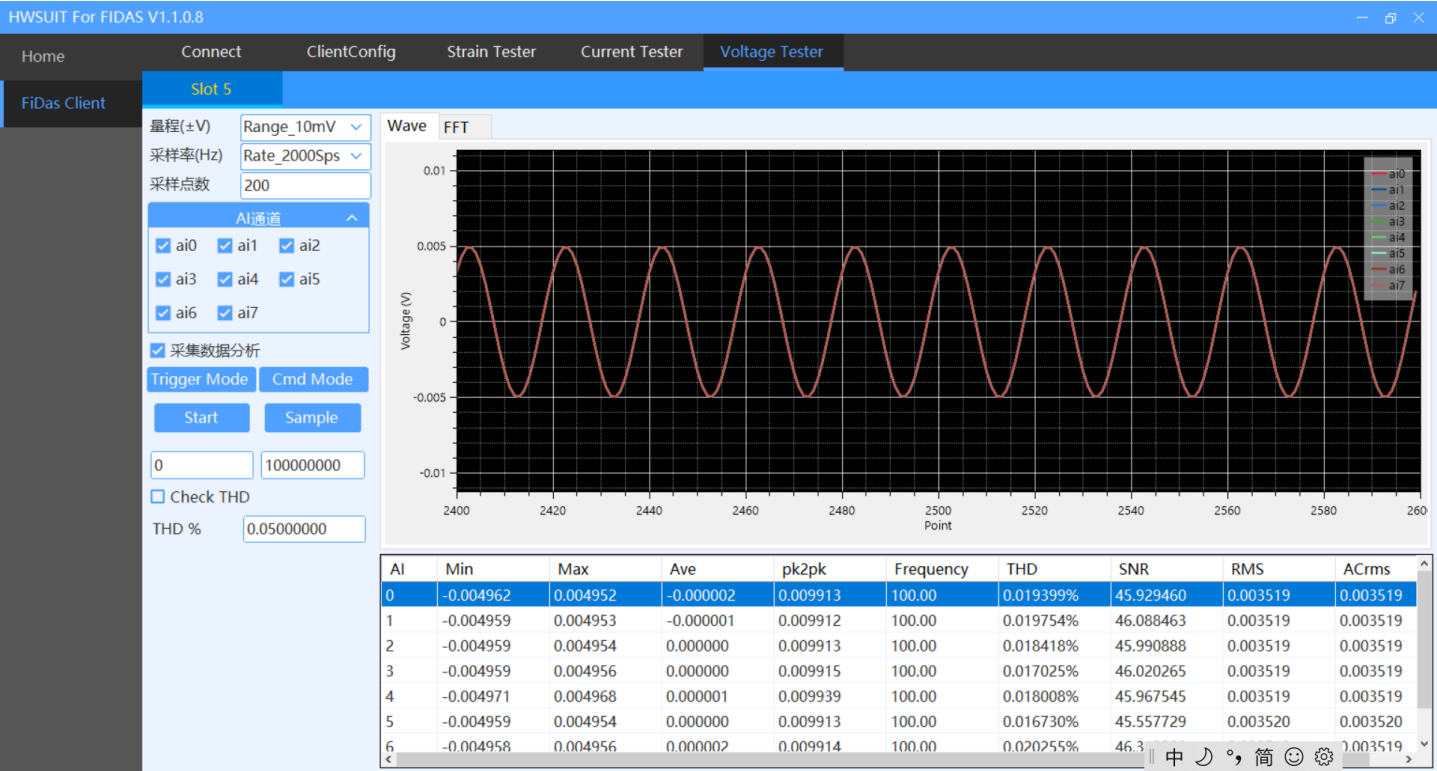
技术规格Specification

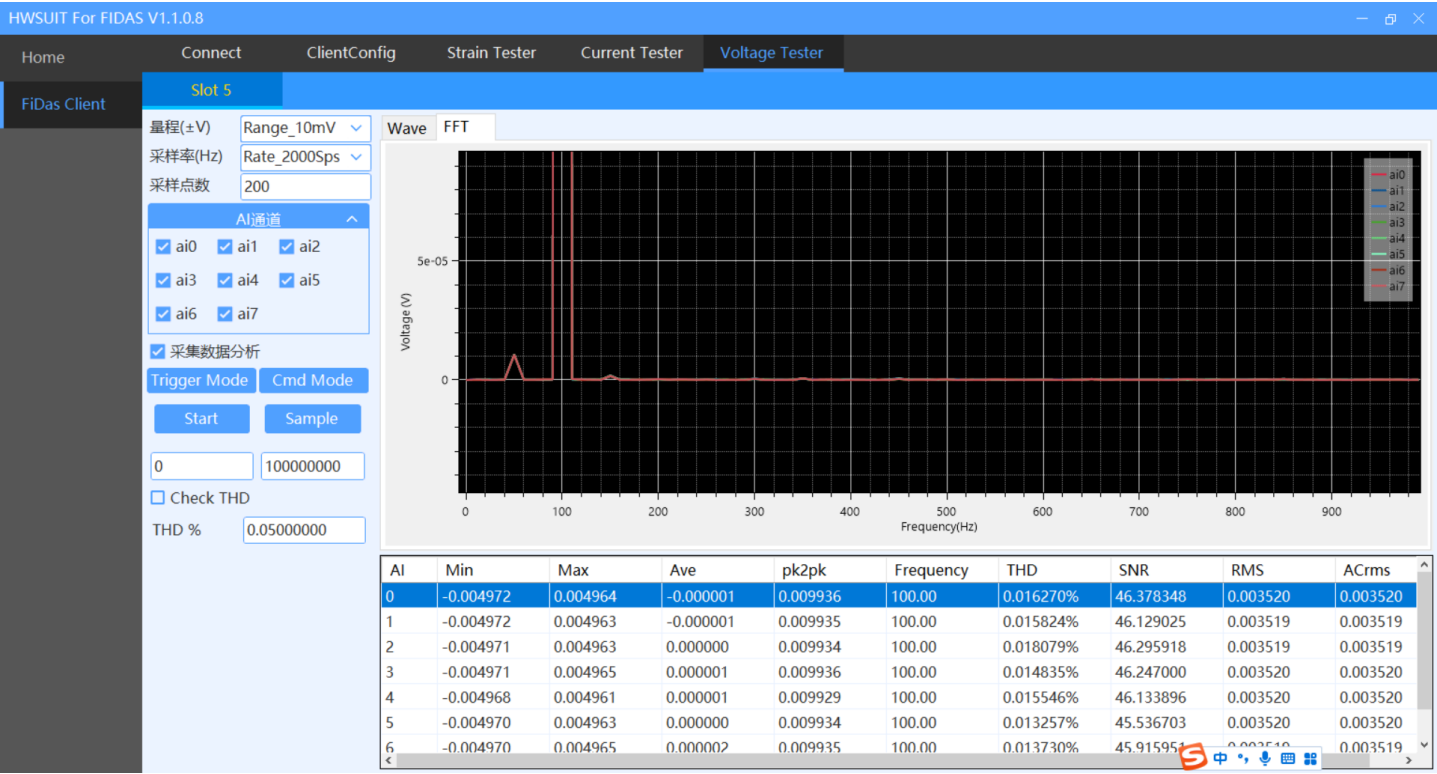
Parameters	FTcHOST9055	FTcHOST9056	FTcHOST9057	FTcHOST9058	FTcHOST9059
Processor	Single Core	Single Core	Quad Core	Quad Core	Quad Core
RAM	4Gb	4Gb	16Gb	16Gb	16Gb
System Storage	8GBytes System: 3G Data: 5G	8GBytes System: 3G Data: 5G	32GBytes System: 6G Data: 26G	32GBytes System: 6G Data: 26G	32GBytes System: 6G Data: 26G
M2 SSD Support	N/A	N/A	YES	YES	YES

Evaluation For Data Record Length For 5GB Data Storage Space					
Sample Rate	1 CH Data	8 CH Data	16 CH Data	32 CH Data	64 CH Data
2Ksps (0.5ms)	7day 9hourand 24minute	23hour 18minute	11hour 39minute	5hour 49minute	2hour 54minute
1Ksps (1ms)	3day 21hour 12minute	11hour 39minute	5hour 49minute	2hour 54minute	1hour 27minute
0.1Ksps (10ms)	38day19hour4minute	4day 20hour 30minute	2day 10hour 15minute	1day 5hour 7minute	14hour 33minute
0.01Ksps (100ms)	388day 8hour 40minute	48day 13 hour 5minute	24day 6hour 32minute	12day 3hour 16minute	6day 1hour 38minute

Evaluation For Data Record Length For 26GB Data Storage Space					
Sample Rate	1 CH Data	8 CH Data	16 CH Data	32 CH Data	64 CH Data
2Ksps (0.5ms)	40day9hour 21minute	5day1 hour 10minute	2day 12hour 35minute	1day 6hour 17minute	15hour 8minute
1Ksps (1ms)	20day40minute	2day 6hour 35minute	1day 6hour 17minute	15hour 8minute	7hour 34minute
0.1Ksps (10ms)	201day22hour 45minute	25day 5hour 50minute	12day 14hour 55minute	6day 7hour 27minute	3day3hour 43minute
0.01Ksps (100ms)	2019day	252day 10hour 26minute	126day 5hour 13minute	63day2hour 36minute	31day 13hour 18minute

利用HWSuit可以控制FIDAS主机作为记录仪使用，十分方便的进行数据采集和查看。以下为利用HWSuit套件采集案例：8通道同步采集峰峰值10mV, 100HZ 的信号





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