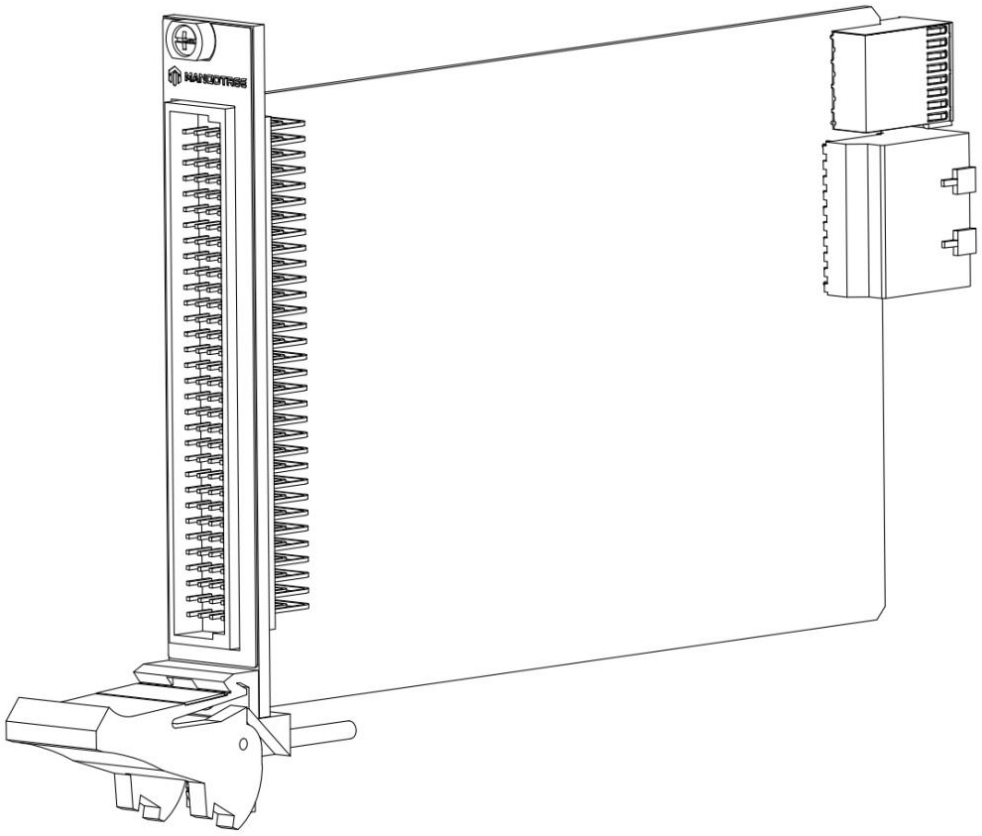
DataSheet

MT-X725

Multiplexer module, 1-wire,96×1,250VAC/220VDC, 2A

This document contains the specifications for MT-X725.Specifications are typical at 25°C unless otherwise noted.

Caution Using the MT-X725 in a manner not described in this document may impair the protection the MT-X725 provides.



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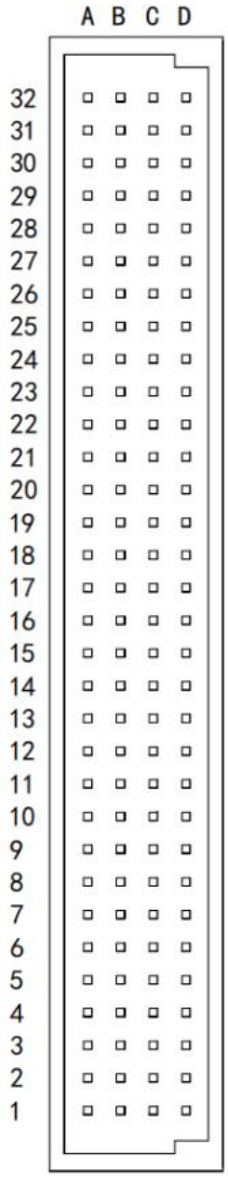
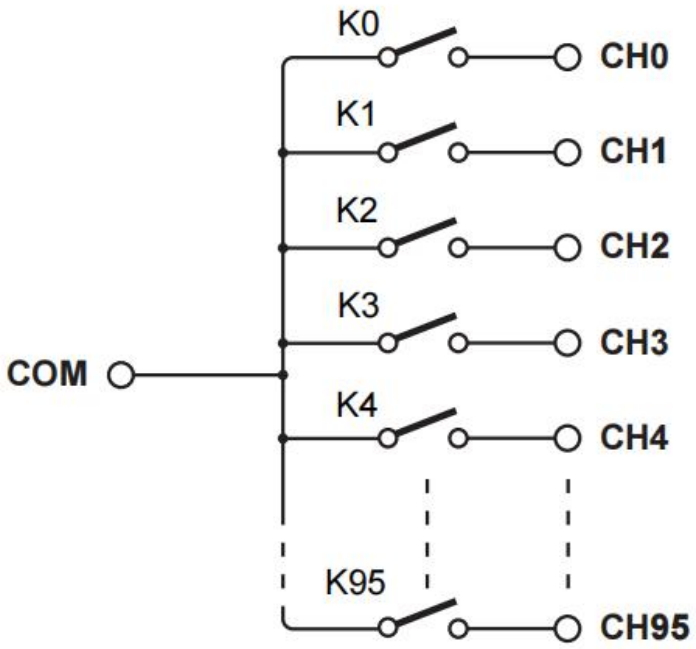
MT-X725 Connectivity

Pin definition of DSUB connector.



	A	B	C	D
32	CH0	CH32	CH64	COM
31	CH1	CH33	CH65	--
30	CH2	CH34	CH66	--
29	CH3	CH35	CH67	--
28	CH4	CH36	CH68	--
27	CH5	CH37	CH69	--
26	CH6	CH38	CH70	--
25	CH7	CH39	CH71	--
24	CH8	CH40	CH72	--
23	CH9	CH41	CH73	--
22	CH10	CH42	CH74	--
21	CH11	CH43	CH75	--
20	CH12	CH44	CH76	--
19	CH13	CH45	CH77	--
18	CH14	CH46	CH78	--
17	CH15	CH47	CH79	--
16	CH16	CH48	CH80	--
15	CH17	CH49	CH81	--
14	CH18	CH50	CH82	--
13	CH19	CH51	CH83	--
12	CH20	CH52	CH84	--
11	CH21	CH53	CH85	--
10	CH22	CH54	CH86	--
9	CH23	CH55	CH87	--
8	CH24	CH56	CH88	--
7	CH25	CH57	CH89	--
6	CH26	CH58	CH90	--
5	CH27	CH59	CH91	--
4	CH28	CH60	CH92	--
3	CH29	CH61	CH93	--
2	CH30	CH62	CH94	--
1	CH31	CH63	CH95	--

Hardware Diagram



MT-X725 Specifications

Specifications are valid at 23 °C unless otherwise noted.

Input Characteristics

Number of channels	96
Topology	1-wire, 96×1
Maximum switching voltage	220V DC,250V AC
Maximum switching power (per channel)	
AC	62.5 VA
DC (30 V to 220 V)	60 W
Maximum current (per channel)	2 A
DC path resistance	
Initial	<0.8 Ω
End-of-life	≥1.8 Ω
Relay operate time	
Typical	3 ms

Maximum	6 ms

Safety Voltages

This product is designed to meet the requirements of the following electrical equipment safety standards for measurement, control, and laboratory use:

- IEC 61010-1, EN 61010-1
- UL 61010-1, CSA C22.2 No. 61010-1

CE Compliance CE

This product meets the essential requirements of applicable European Directives, as follows:

- 2014/35/EU; Low-Voltage Directive (safety)
- 2014/30/EU; Electromagnetic Compatibility Directive (EMC)
- 2014/34/EU; Potentially Explosive Atmospheres (ATEX)

Shock and Vibration

To meet these specifications, you must panel mount the system.

Random vibration	
Operating (IEC 60068-2-64)	$0.3g_{rms}$, 5 Hz to 500 Hz
Nonoperating (IEC 60068-2-6)	$2.4g_{rms}$, 5 Hz to 500 Hz
Operating shock (IEC 60068-2-27)	30 g, 11 ms half sine;

Environmental

Refer to the manual for the chassis you are using for more information about meeting these specifications.

Operating temperature	0 °C to 55 °C
Storage temperature	-20°C to 70 °C
Operating humidity (IEC 60068-2-78)	10% RH to 90% RH, noncondensing
Storage humidity (IEC 60068-2-78)	5% RH to 95% RH, noncondensing Pollution
Degree	2
Maximum altitude	2,000 m

Config文本

MT-DAQ设备的开发和使用依赖于Config配置文本，只有正确配置该文本，才能保证设备的正常运行。不同型号的设备或板卡对应的配置参数是不同的。Python、LabVIEW和C#三种编程语言的Config配置文本完全相同。

通用Config配置文本通过MT-Master软件主页导出获得，用户可以根据实际设备或板卡的参数对配置文本进行修改配置，或者按照文本默认参数配置运行。

Config配置文本中的各项参数含义及其具体配置可以参考MT-DAQ上手指南，指南链接附于下文Support板块。

使用MT产品过程中如有任何疑问，可以通过访问官网：http://www.mangotree.cn联系专业客服咨询。

Support

MT-Master上手指南：

http://server.mangotree.cn:9900/WebFile/Downloads/上手指南/MT-Master/

Master上手指南

MT-Master视频教程：

http://server.mangotree.cn:9900/WebFile/Downloads/视频教程/MT-Master/

Master视频教程

MT-DAQ上手指南：

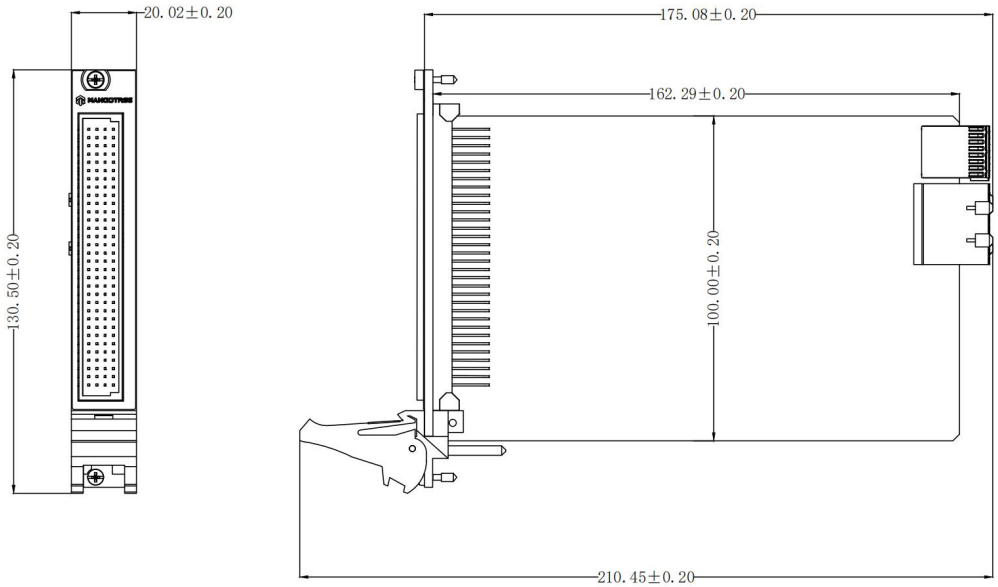
http://server.mangotree.cn:9900/WebFile/Downloads/上手指南/MT-DAQ/

DAQ上手指南

MT-DAQ视频教程：

http://server.mangotree.cn:9900/WebFile/Downloads/视频教程/MT-DAQ/

DAQ视频教程


20.02±0.20
130.50±0.20
175.08±0.20
162.29±0.20
100.00±0.20
210.45±0.20