



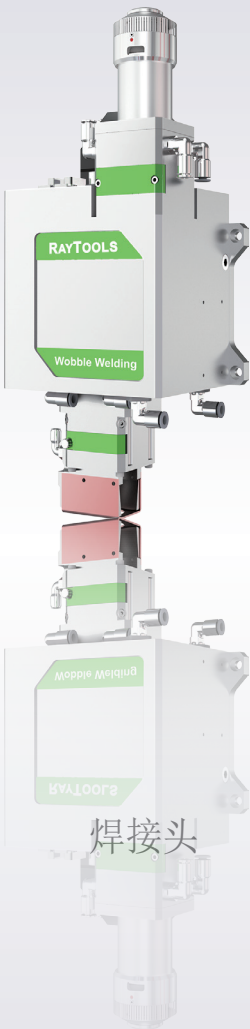
赋能激光智造ABC激智云

XW100激光焊接系统快速安装指南

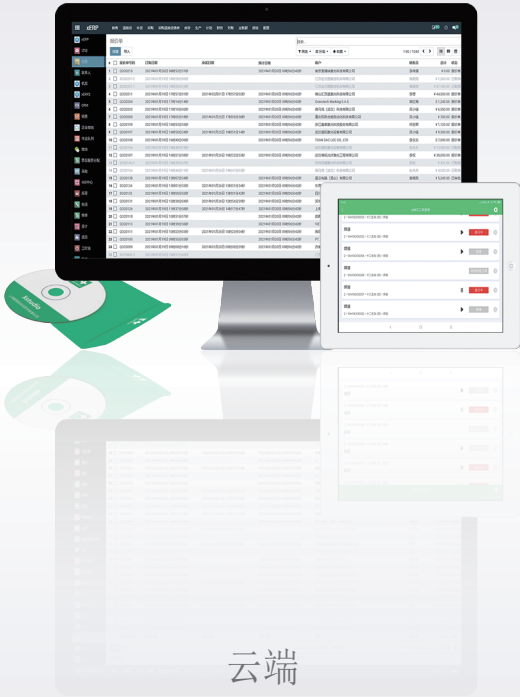
XW100 Laser welding system Quick Installation Guide



xCNC



焊接头

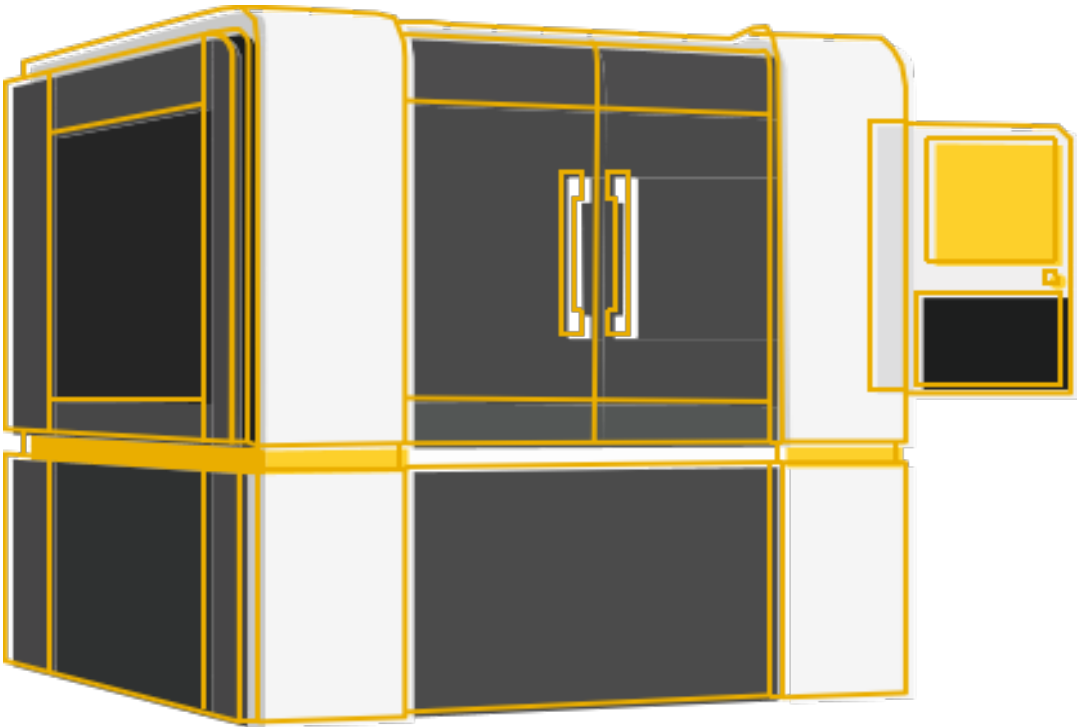


云端

产品简介
Introduction

XW100 是 RAYTOOLS 公司适用于工业激光生产应用的专业数控软件，其整体流畅、简单易用的人机界面，丰富的功能模块等，使之能够适配业界主流的各种激光焊接设备。

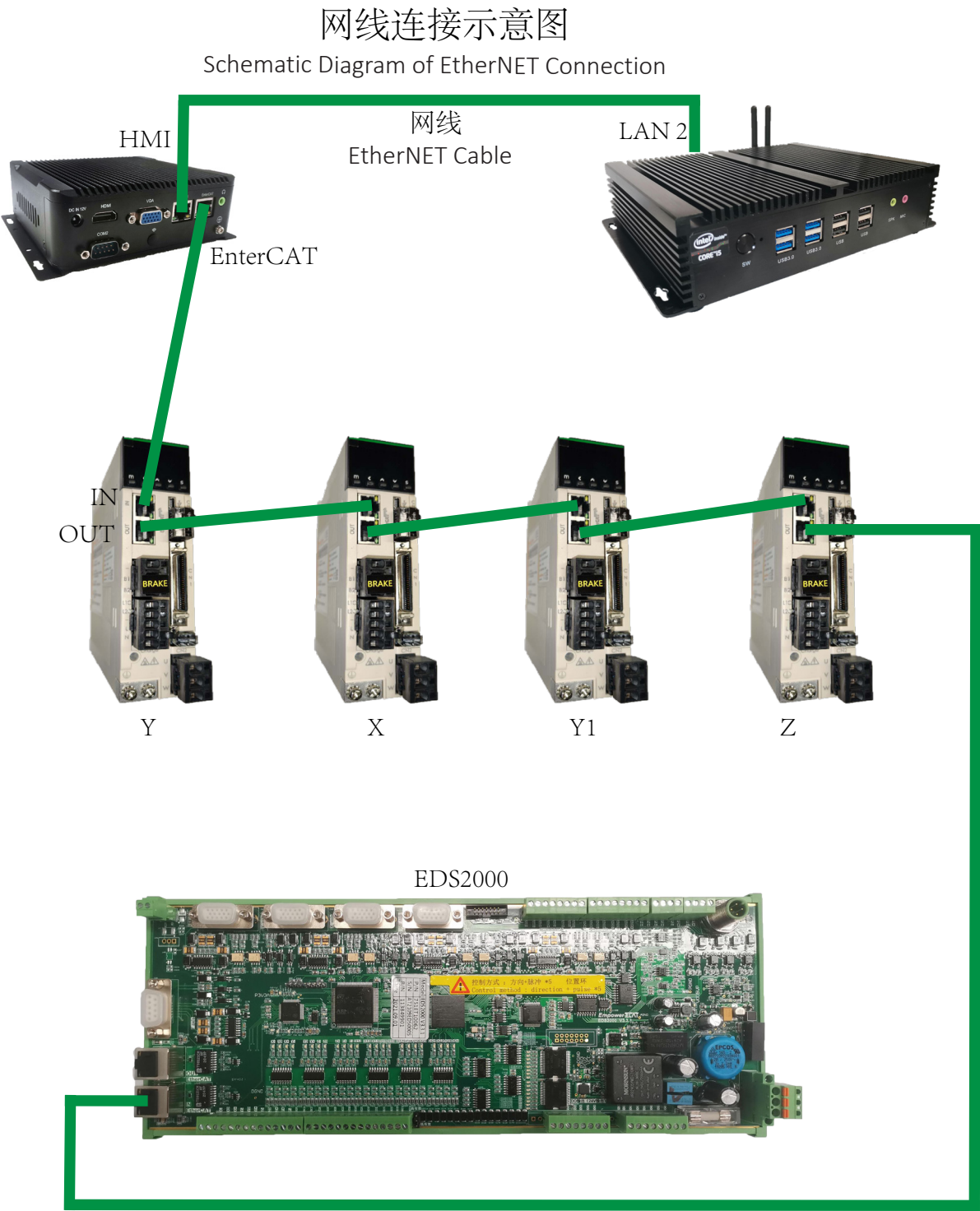
XW100 is RAYTOOLS professional CNC software for industrial laser production applications, its overall smooth, easy-to-use human-machine interface, rich functional modules, etc., so that it can adapt to the industry's mainstream laser welding equipment.



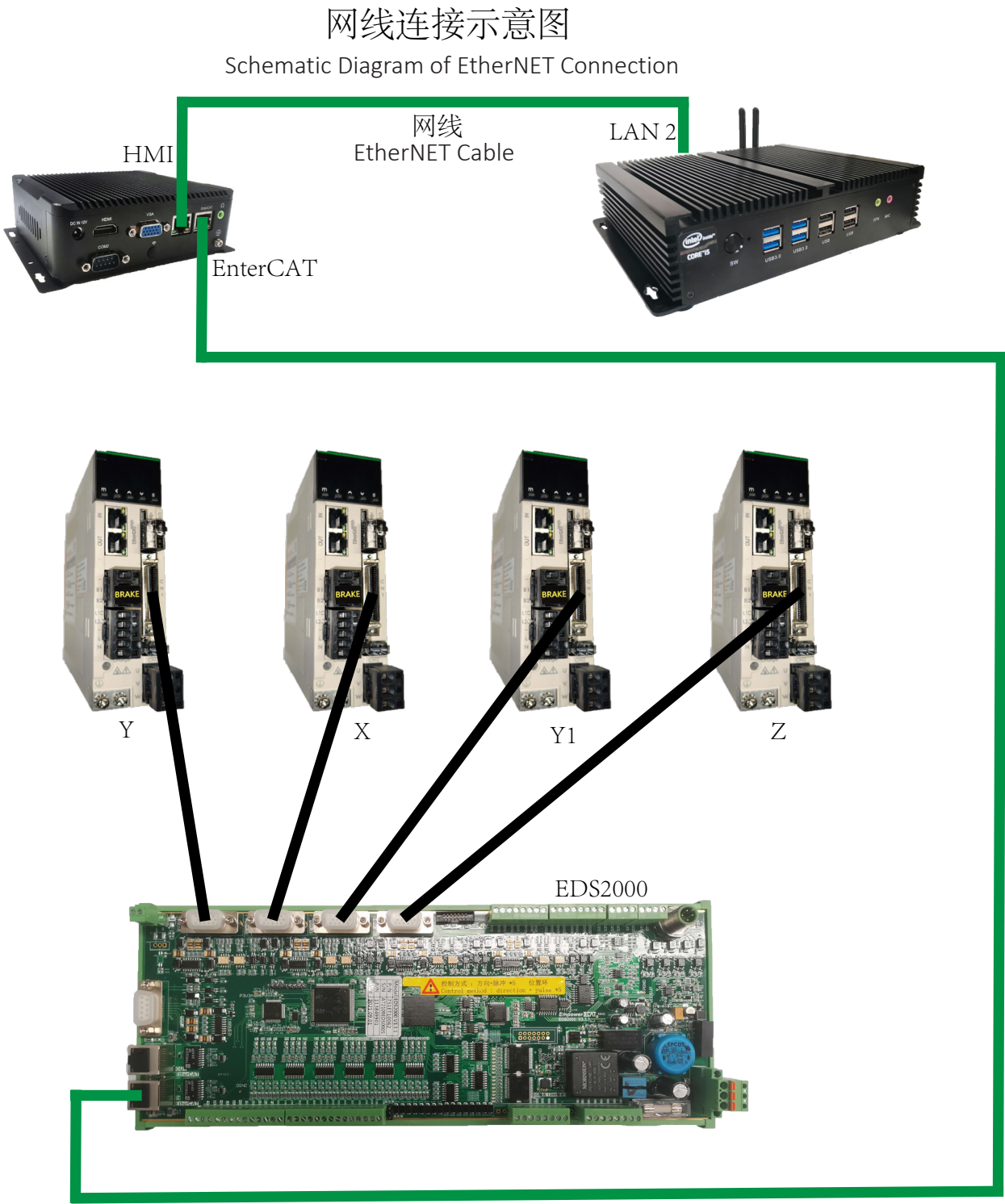
产品总览
Products overview

EPC-1010 (选配) EPC-1010(Optional)	EPC-2000	EDS-2000
		
二极管 Rectifier diode	网线 EtherNET cable	加密狗 (授权) Dongle(Authorization)
		

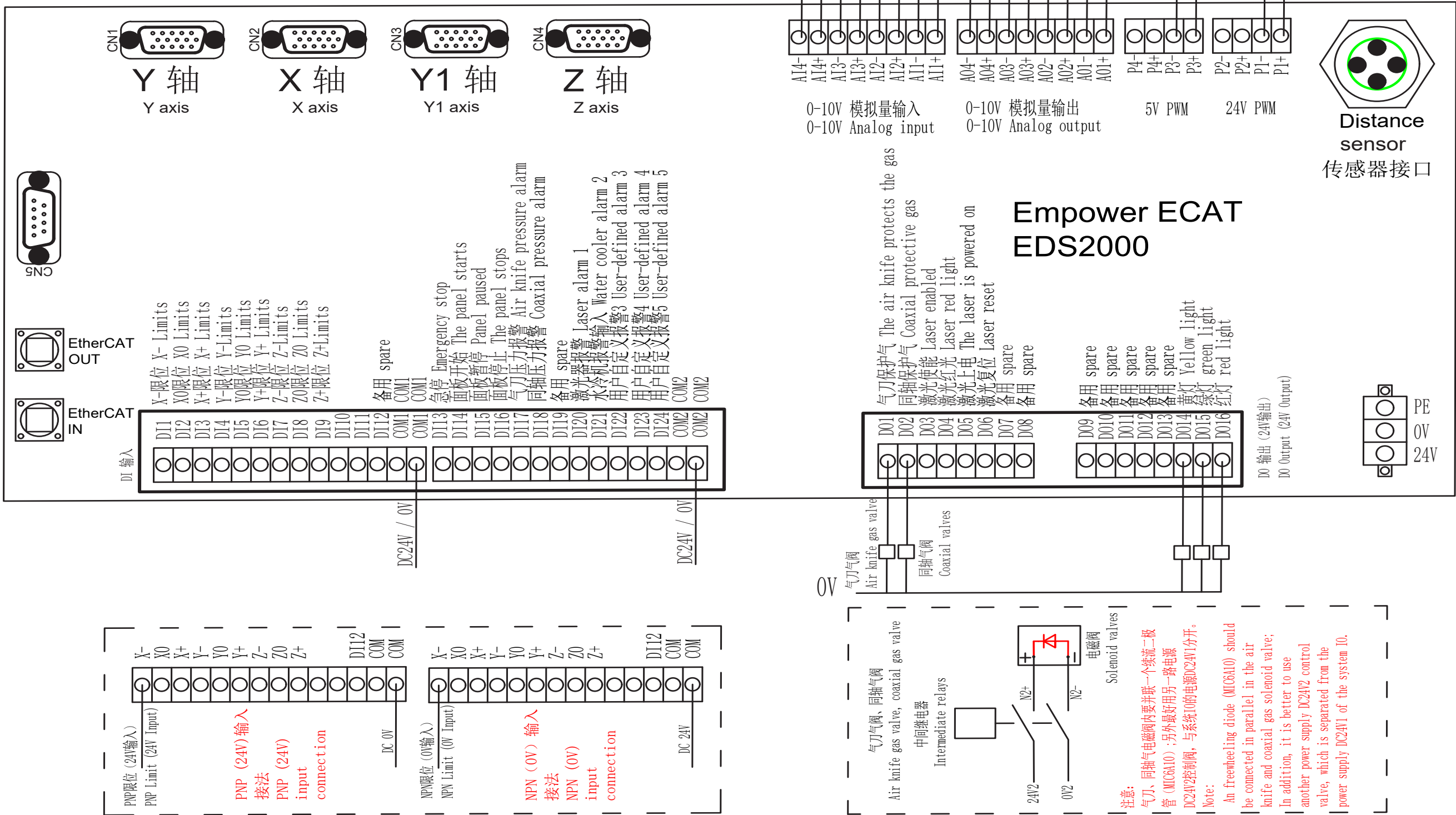
总线式伺服连接方式
Schematic Diagram (EtherCAT Servo)



脉冲式伺服连接方式
Schematic Diagram (Pul/Dir Servo)



EDS2000 板卡定义
I/O Definition of EDS2000



Empower ECAT
EDS2000

注意事项

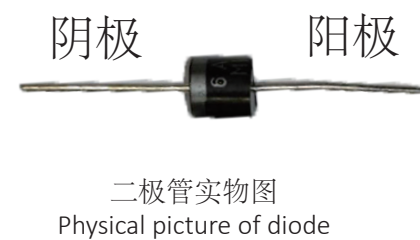
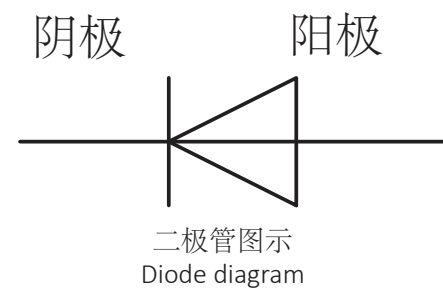
Attention

电磁阀并联续流二极管

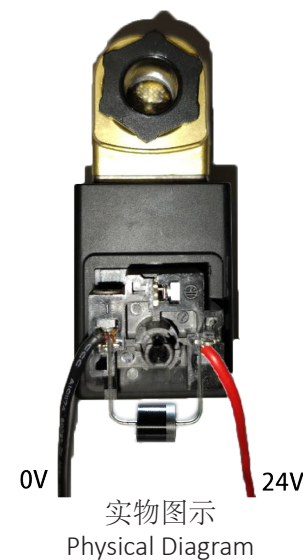
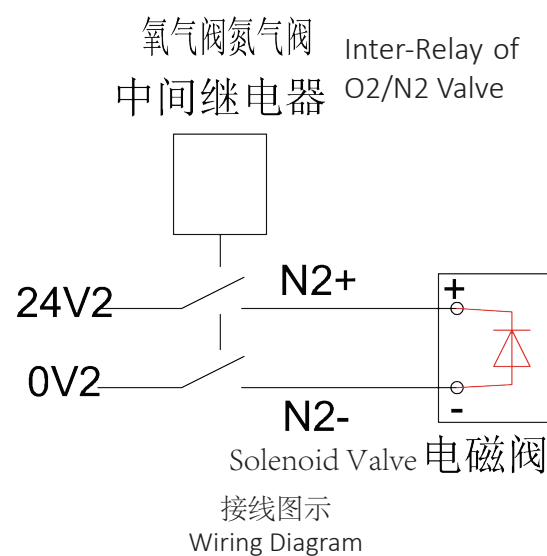
Solenoid valve must be in parallel connection with diode

二极管具有单向导电性能，即给二极管阳极和阴极加上正向电压时，二极管导通。当给阳极和阴极加上反向电压时，二极管截止。二极管的导通和截止，则相当于开关的接通与断开。

我司配备的二极管为 MIC 6A10。
Rectifier diode is conductive in single way. The diode is on when a positive voltage is given to the diode anode and cathode. The diode is off when a negative voltage is given to the diode anode and cathode. The on/off of diode functions switch on/off.
The rectifier diode from us is MIC 6A10.



接二极管时需要注意二极管的阴阳极，直流电源 24V 接二极管阴极，直流电源 0V 接二极管阳极；若接反会导致短路。
Need to pay attention to +/- of rectifier diode while wiring. DC 24V must be connected to - and DC 0V must be connected to +. A short circuit will happen once they are reversely connected.



USB端口的选择

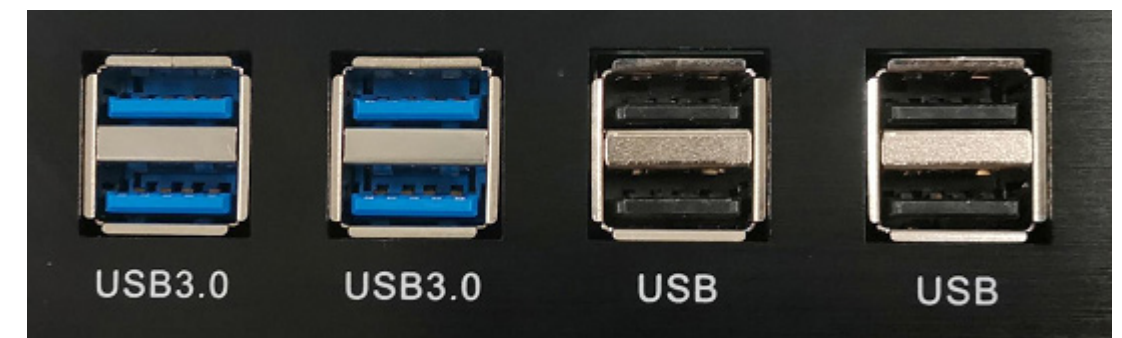
Choice of USB Port

USB3.0 中间接口颜色一般为蓝色，USB2.0 中间接口颜色一般为白色或者黑色。

与 USB2.0 相比，USB3.0 接口的传输效率高，输出功率也会更大，因此适合于功率较大的设备使用。

The interior interface of USB3.0 is blue while USB 2.0 is white or black.

Compared with USB2.0, the USB3.0 interface has high transmission efficiency and greater output power, so it is suitable for use in more powerful devices.

USB 接口
USB Port

将功率较大的设备插到 USB3.0 接口，以确保供电电压充足，避免设备接触不良。

软件加密狗插入 USB2.0 接口即可，节省的 USB3.0 接口可给键盘鼠标等功率较大的设备使用。

Plug the higher power device into the USB3.0 interface to ensure sufficient supply voltage and avoid poor device contact.

The software dongle can be plugged into the USB2.0 interface, and the saved USB3.0 interface can be used by powerful devices such as keyboards and mice.

USB 接口连接图
USB port physical Diagram

安装须知

Notice Prior to Software Installation

自配主机推荐配置

Recommended configuration for self-prepared HMI PC

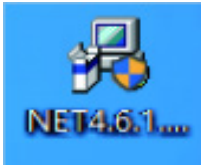
CPU	Inter i5 1.6GHz（4 核）及以上 Inter i5 1.6GHz (4-core) or above
内存 Memory	8GB 及以上 no less than 8GB
存储设备 Storage	120G 硬盘及以上 no less than 120G hard disk
网卡 Network Card	2×10/100/1000 千兆网卡 2 × 10 / 100 / 1000 gigabit network card
USB	4×USB3.0 4×USB2.0
显示 Display	同时支持 HDMI，VGA 两种接口 HDMI and VGA
操作系统 Operation System	正版 Windows10（64 位 专业版） Genuine Windows10(64bit Professional Edition)

环境安装

Environment installation

安装焊接软件之前，需要安装 .net4.6.1（或更高版本）运行环境。如没有安装包，可与我司售后人员联系。

Before installing the soldering software, you need to install the .net 4.6.1 (or later) runtime environment. If there is no installation package, you can contact our after-sales staff.



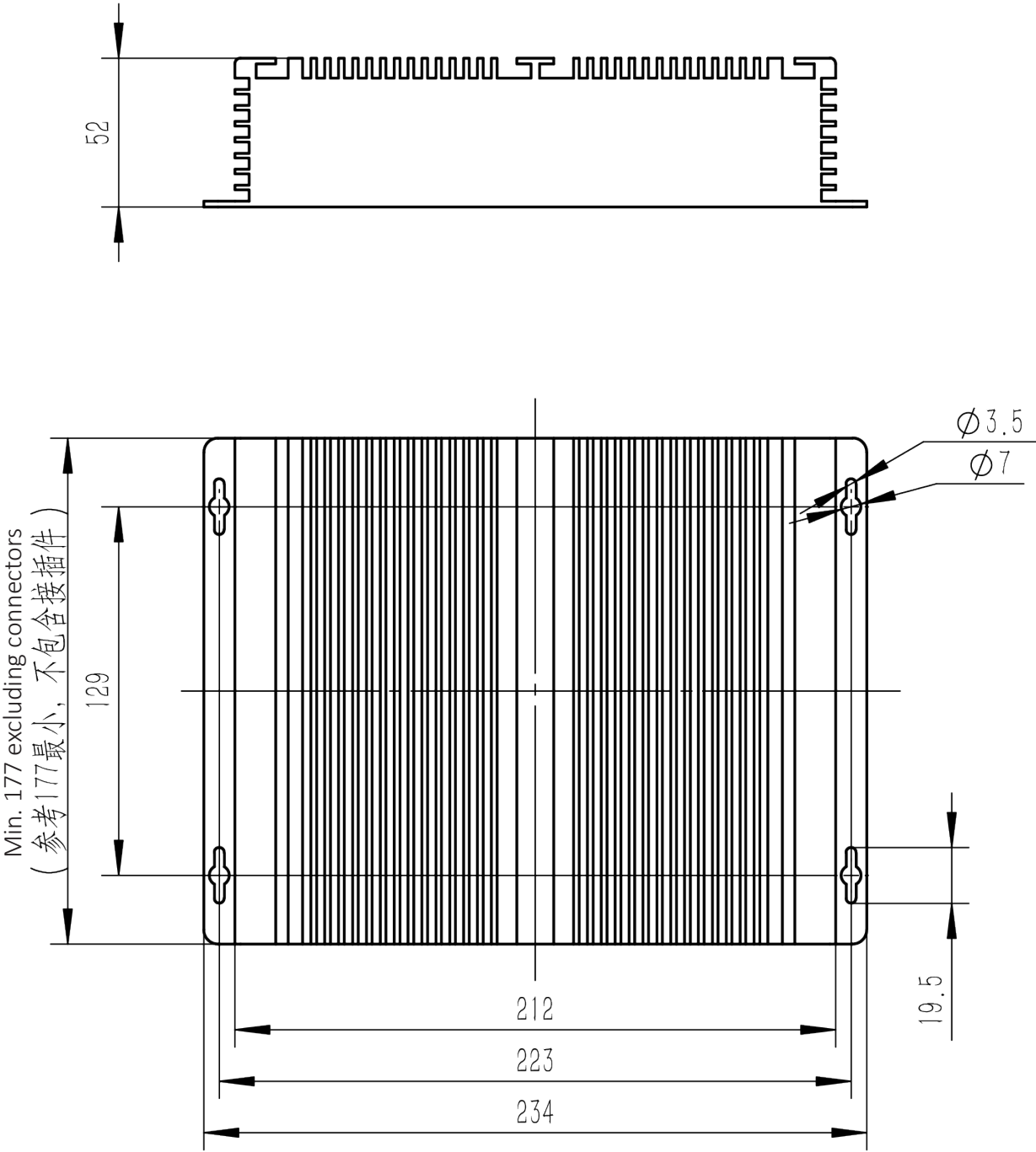
软件名称 Software Name	备注 Remark
.net4.6.1	微软开发运行环境 Running environment of Microsoft development

尺寸图纸

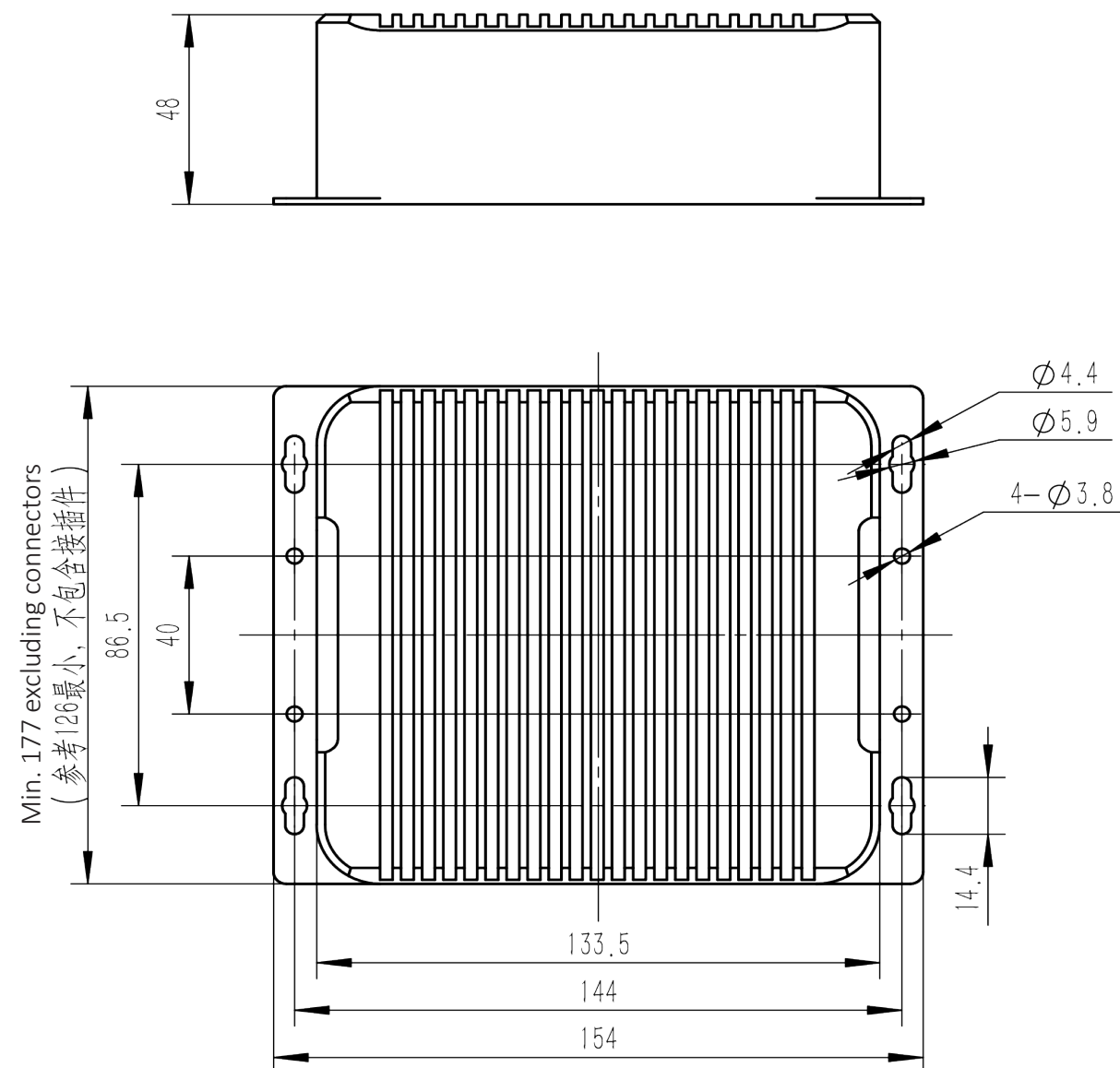
Overall Dimension

EPC-1010 基本款 HMI 主机

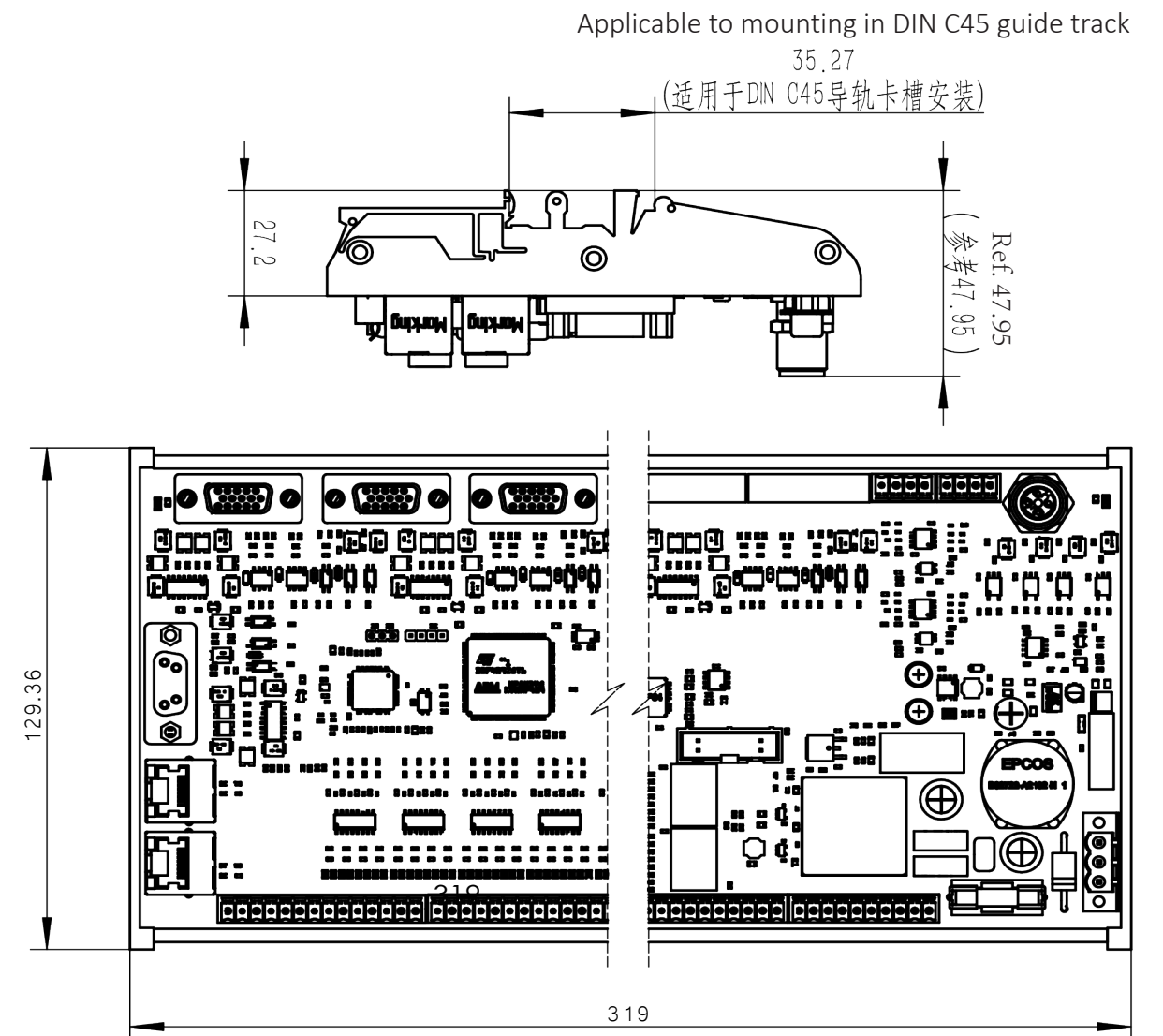
EPC-1010 Basic HMI PC



■ EPC-2000 实时总线 PC 主机
EPC-2000 Engine PC



■ EDS-2000 板卡
EDS-2000 Card



备忘录

Memo



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