Guangcheng CAN-Bus mall

(http://www1.gcanbox.com/)

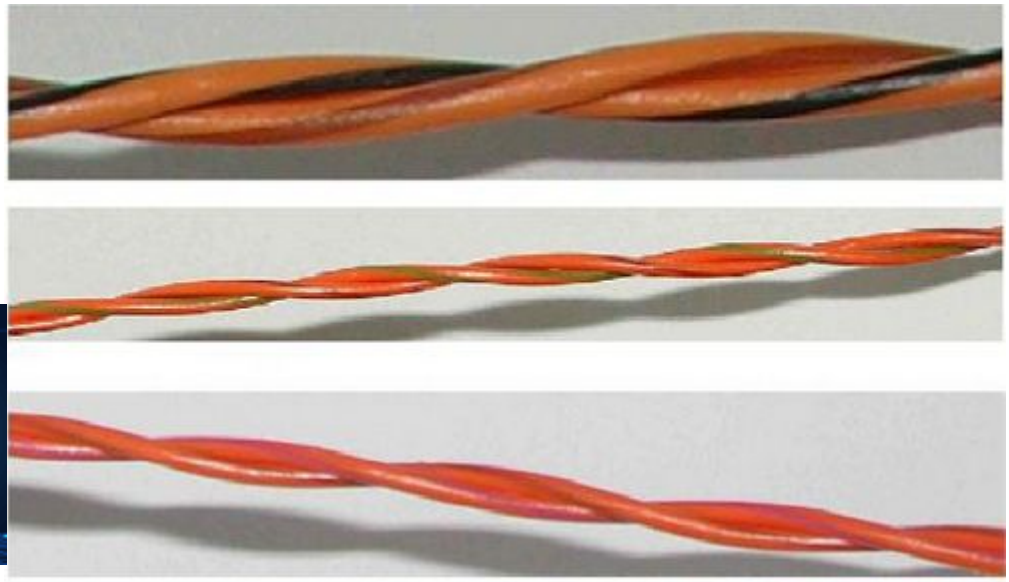
导航

Focus on CAN Bus for 10 years,CAN bus industry leading unit.

The difference between CAN Bus and CAN open

Article Source：Shenyang Guangcheng Technology Release Time：2019-06-26 View Count：2228

CAN-Bus (http://www1.gcanbox.com/fsd/canopen/) is abstract meaning is controller local area network.In fact, it is a twisted pair with high and low level difference.It plays the role of data transmission, based on its real-time, reliability and effectiveness of serial communication, is favored by the majority of engineers. it has been extended to mechanical manufacturing, industrial automation, servo motor control, large medical devices, building security monitoring and other fields.At present, CAN-Bus (http://www1.gcanbox.com/fsd/canopen/) has become one of the preferred field buses for industrial communication.



(http://www1.gcanbox.com/fsd/canopen/)

CANopen (http://www1.gcanbox.com/fsd/canopen/) is an application layer protocol based on CAN-BUS (http://www1.gcanbox.com/fsd/canopen/).In order to apply CAN-Bus (http://www1.gcanbox.com/fsd/canopen/) to more fields, some European companies first launched CAL protocol, and CANopen (http://www1.gcanbox.com/fsd/canopen/) is a sub-protocol designed based on CAL. It has good modularity and high adaptability, and CAN be applied to a large number of application fields through expansion.CANopen (http://www1.gcanbox.com/fsd/canopen/) not only defines the application layer and communication sub-protocols, but also defines a large number of industry regulations for programmable systems, different devices, interfaces and application sub-protocols, which have obtained a large number of applications in machinery manufacturing, railway, vehicle, ship, pharmaceutical, food processing and other fields.At present, it has become the leading standard in industrial CAN bus (http://www1.gcanbox.com/fsd/canopen/)network system.

CANopen (http://www1.gcanbox.com/fsd/canopen/) defines a set of rules on the basis of CAN-Bus (http://www1.gcanbox.com/fsd/canopen/), and the two parties using it to communicate understand the meaning of exchanging information with each other.The information exchanged is transmitted on the CAN bus (http://www1.gcanbox.com/fsd/canopen/).Therefore, CAN-Bus (http://www1.gcanbox.com/fsd/canopen/) defines the physical layer and link

layer, while CANopen (http://www1.gcanbox.com/fsd/canopen/) defines the application layer on the basis of can-bus, and specifies the conventions used by users, software and network terminals for information exchange.

Generally speaking, CAN-Bus (http://www1.gcanbox.com/fsd/canopen/) is the transmission medium, while CANopen (http://www1.gcanbox.com/fsd/canopen/) ...nication language.Data can be passed through the medium, and both ...o use the same language standards to understand each other. ...(http://www1.gcanbox.com/fsd/canopen/) only defines layer 1 and ...out the participation of software.CANopen (http://www1.gcanbox.com/fsd/canopen/) defines layer 7, in which devices communicate by exchanging communication objects with each other.The application, written by the user, implements CANopen (http://www1.gcanbox.com/fsd/canopen/) communication through manipulation of the object dictionary.

Based on nearly ten years of CAN bus (http://www1.gcanbox.com/fsd/canopen/) research and development experience, guangcheng technology has launched USBCAN analyzer, CAN gateway/converter, CANopen master and slave station card and other devices suitable for more fields.

Last: Canopen communication module (/fsd/gsxw/CANOPEN.html)

Next: What are the benefits of CAN entrance switching to fiber opt (/fsd/gsxw/entrance.html)