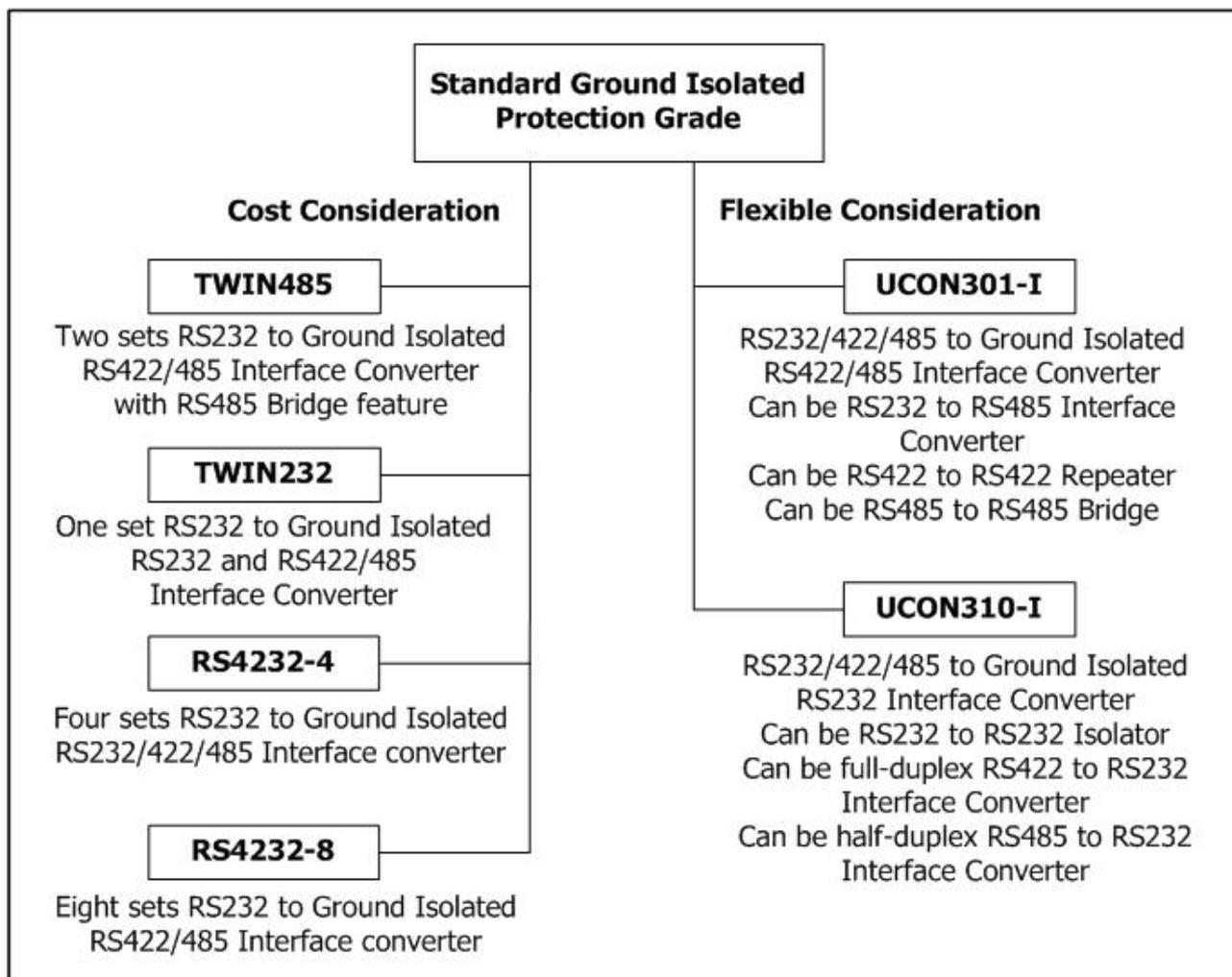


How to select a general interface converter

In general application environment it is not easy to remove noise in Ground. So we may need to use opto-isolation to protect communication between different devices. We can have opto-isolation feature between input section and output section of one interface converter. Then we can break the Ground loop between different devices and protect such device for different Ground voltage in application environment.

RAYON Technology can have different model product for user to use. User may need to have cost issue or flexible issue consideration. When cost issue is critical point, then we may have dedicated function to use. When flexible issue is critical point, then we may have less expensive product to use. Following information will help you to choose one product in your application environment.

Generally we may select one dedicated function product to meet known application environment for less cost. When we need on product to meet unknown application environment or complex environment, we may need to prepare one multi-function product for less maintenance cost.



TWIN485 box can support two sets RS232 input to Ground isolated RS422/RS485 output interface converter module and support special RS485 bridge function in Bridge mode.

TWIN232 box can support RS232 input to Ground isolated RS232 output and RS422/RS485 output interface converter function. In RS232 application environment we can use TWIN232 box as RS232 isolator between two RS232 devices. We can also use DIP Switch to set target output interface as full-duplex RS422 mode or half-duplex RS485 mode. Then we can use TWIN232 box to let one RS232 device to connect with remote RS422 device, or let RS232 device to connect with other RS485 device in RS485 network.

RS4232-4 box can support 4 sets RS232 input to Ground isolated RS232/RS422/RS485 output interface converter. We can use DIP Switch to set output target interface type in RS232 , RS422 or RS485 mode. In RS232 application environment we can let RS4232-4 box to work as RS232 isolator between two RS232 devices. We can also use RS4232-4 box as interface converter to let one RS232 device to connect with remote RS422 device or RS485 device in RS485 network.

RS4232-8 box can support 8 sets RS232 input to Ground isolated RS422/RS485 output interface converter. We can use DIP Switch to set target output interface as full-duplex RS422 or half-duplex RS485 mode. We can let one RS232 device to connect with remote RS422 device or RS485 device in RS485 network.

UCON301-I box can support RS232/RS422/RS485 input to Ground isolated RS422/RS485 output interface converter. When we use DIP Switch to set input interface type as RS232, full-duplex RS422 or half-duplex RS485 mode, then we can use UCON301-I box as RS232 to full-duplex RS422 interface converter, or RS232 to half-duplex RS485 interface converter. We can also use UCON301-I box as RS422 Repeater or RS485 Bridge. Of course we can use UCON301-I box as full-duplex RS422 to half-duplex RS485 interface converter.

UCON310-I box can support RS232/RS422/RS485 input to GROUND isolated RS232 output interface converter. We can use DIP Switch to set target input interface type as RS232, full-duplex RS422 or half-duplex RS485 mode. In RS232 application environment we can use UCON310-I box as RS232 isolator between two RS232 devices. We can also use UCON310-I box as full-duplex RS422 to RS232 interface converter or half-duplex RS485 to RS232 interface converter.

So you may find one RAYON Technology product to meet your general application environment with Ground isolated feature. If you had another special feature requirement, then you can send Email to info@rayontech.com.tw or rayon@ms1.hinet.net for more support.

If your target application environment were rigid, then RAYON Technology can also offer triple opto-isolation product for such rigid environment. You can check another document about “ How to select a rigid interface converter” to select one product to meet your rigid environment.