

Accessories

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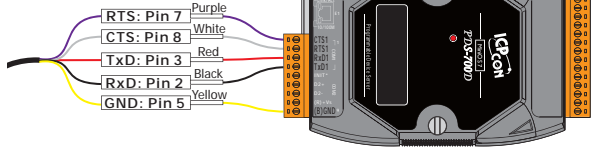


7.1. Cables



CA-0903

Pin Assignments



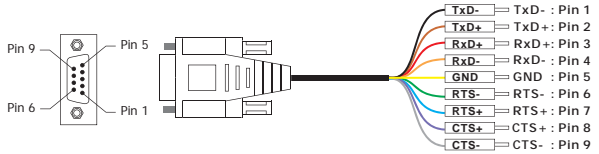
Ordering Information

CA-0903 9-Pin Female D-Sub and RS-232 Connector Cable, 30 cm



CA-090910

Pin Assignments



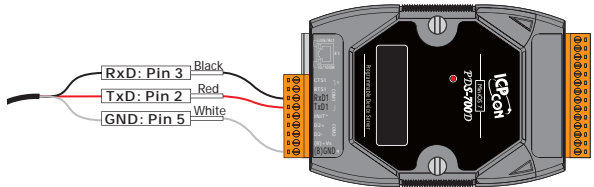
Ordering Information

CA-090910 9-Pin Female D-Sub Cable for RS-422 Connector, 1 m



CA-0910

Pin Assignments



Ordering Information

CA-0910 9-Pin Female D-Sub and 3-wire RS-232 Cable, 1 m



CA-0910F
CA-0915

Pin Assignments



Ordering Information

CA-0910F 9-Pin Female-Female D-Sub Cable, 1 m
CA-0915 9-Pin Male-Female D-Sub Cable, 1.5 m



CA-9-2505D

Pin Assignments

| Pin Assignment | Terminal No. | Pin Assignment |
|----------------|--------------|----------------|
| N/A | 01 | 14 COM8_RxD |
| N/A | 02 | 15 COM8_TxD |
| COM8_GND | 03 | 16 COM7_RxD |
| N/A | 04 | 17 COM7_TxD |
| COM7_GND | 05 | 18 COM6_RxD |
| N/A | 06 | 19 COM6_TxD |
| COM6_GND | 07 | 20 COM5_RxD |
| N/A | 08 | 21 COM5_TxD |
| COM5_GND | 09 | 22 COM4_RxD |
| N/A | 10 | 23 COM4_TxD |
| COM4_GND | 11 | 24 COM3_RxD |
| N/A | 12 | 25 COM3_TxD |
| COM3_GND | 13 | Shield F.G. |

25-Pin Male D-Sub Connector

| Pin Assignment | Terminal No. | Pin Assignment |
|----------------|--------------|----------------|
| GND | 05 | 09 -- |
| -- | 04 | 08 -- |
| TxD | 03 | 07 -- |
| RxD | 02 | 06 -- |
| -- | 01 | -- |

RS-232 Female DB-25 to Male DB-9 Connector

Ordering Information

| | |
|------------|--|
| CA-9-2505D | Male DB-25 to 6 Male DB-9 Cable, 0.5 m |
|------------|--|



CA-9-3705



CA-9-3715D

CA-9-3705
CA-9-3715D

Pin Assignments

| Pin Assignment | Terminal No. | Pin Assignment |
|----------------|--------------|----------------|
| N.C. | 01 | 20 RI3 |
| DCD3 | 02 | 21 DTR3 |
| GND | 03 | 22 DSR3 |
| CTS3 | 04 | 23 RTS3 |
| RxD3 | 05 | 24 TxD3 |
| RI4 | 06 | 25 DCD4 |
| DTR4 | 07 | 26 GND |
| DSR4 | 08 | 27 CTS4 |
| RTS4 | 09 | 28 RxD4 |
| TxD4 | 10 | 29 RI2 |
| DCD2 | 11 | 30 DTR2 |
| GND | 12 | 31 DSR2 |
| CTS2 | 13 | 32 RTS2 |
| RxD2 | 14 | 33 TxD2 |
| RI1 | 15 | 34 DCD1 |
| DTR1 | 16 | 35 GND |
| DSR1 | 17 | 36 CTS1 |
| RTS1 | 18 | 37 RxD1 |
| TxD1 | 19 | |

RS-232 Female DB-37 Connector

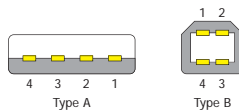
| Pin Assignment | Terminal No. | Pin Assignment |
|----------------|--------------|----------------|
| GND | 05 | 09 RI |
| DTR | 04 | 08 CTS |
| TxD | 03 | 07 RTS |
| RxD | 02 | 06 DSR |
| DCD | 01 | |

RS-232 Female DB-37 to Male DB-9 Connector

Ordering Information

| | |
|------------|---|
| CA-9-3705 | Male DB-37 to 4 Male DB-9 Cable (90°), 0.3 m |
| CA-9-3715D | Male DB-37 to 4 Male DB-9 Cable (180°), 1.5 m |

Pin Assignments



| Pin | Name | Description |
|-----|------|-------------|
| 1 | VCC | +5V |
| 2 | D- | Data- |
| 3 | D+ | Data+ |
| 4 | GND | Ground |



CA-USB18

Ordering Information

| | |
|----------|-----------------------------------|
| CA-USB18 | USB Type A to Type B Cable, 1.8 m |
|----------|-----------------------------------|

7.2. Power Supplies

KA-52F
KA-52F-48

DIN-KA52F
DIN-KA52F-48

NEW
KA52F-48/DIN-KA52F-48

CE FC

Specifications

| Models | KA-52F | DIN-KA52F | KA-52F-48 | DIN-KA52F-48 |
|----------------------------------|---------------------------------------|-------------------|---------------------------------------|-------------------|
| Input | | | | |
| Range | 100 – 250 AC | | | |
| Frequency | 50 Hz – 60 Hz | | | |
| Output | | | | |
| Power | 24 V _{oc} /1.04 A max., 25 W | | 48 V _{oc} /0.52 A max., 25 W | |
| Mechanical | | | | |
| Dimensions (W x H x D, Unit: mm) | 54 x 93 x 36 | 68 x 107 x 50 | 54 x 93 x 36 | 68 x 107 x 50 |
| Installation | No-mounting | DIN-Rail Mounting | No-mounting | DIN-Rail Mounting |
| Environmental | | | | |
| Operating Temperature | 0 °C – +50 °C | | | |
| Storage Temperature | -20 °C – +85 °C | | | |

Ordering Information

| | |
|--------------|--|
| KA-52F | 24 V _{oc} /1.04 A, 25 W Power Supply |
| DIN-KA52F | 24 V _{oc} /1.04 A, 25 W Power Supply with Din-Rail Mounting |
| KA-52F-48 | 48 V _{oc} /0.52 A, 25 W Power Supply |
| DIN-KA52F-48 | 48 V _{oc} /0.52 A, 25 W Power Supply with Din-Rail Mounting |

NEW

GPSU06U-6

CE FC

Specifications

| | |
|------------------------|--------------------------------------|
| Input | |
| Range | 100 – 250 AC |
| Frequency | 50 Hz – 60 Hz |
| Output | |
| Power | 24 V _{oc} /0.25 A max., 6 W |
| Mechanical | |
| Dimensions (W x H x D) | 32 mm x 66 mm x 68 mm |
| Installation | No-mounting |
| Environmental | |
| Operating Temperature | 0 °C – +40 °C |
| Storage Temperature | -20 °C – +85 °C |

Ordering Information

| | |
|-----------|--|
| GPSU06U-6 | 24 V _{oc} /0.25 A, 6 W Power Supply |
|-----------|--|

MDR-60-24/
MDR-60-48

NEW

MDR-20-24

MDR-20-24
MDR-60-24
MDR-60-48

CE FC

Specifications

| Models | MDR-20-24 | MDR-60-24 | MDR-60-48 |
|-----------------------------------|------------------------------------|--------------------------------------|---------------------------------------|
| Input | | | |
| Range | 100 – 250 AC | | |
| Frequency | 50 Hz – 60 Hz | | |
| Output | | | |
| Power | 24 V _{oc} /1 A max., 24 W | 24 V _{oc} /2.5 A max., 60 W | 48 V _{oc} /1.25 A max., 60 W |
| Mechanical | | | |
| Dimensions (W x H x D) (Unit: mm) | 22.5 x 90 x 100 | 40 x 90 x 100 | 40 x 90 x 100 |
| Installation | DIN-Rail Mounting | | |
| Environmental | | | |
| Operating Temperature | -20 °C – +70 °C | | |
| Storage Temperature | -20 °C – +85 °C | | |

Ordering Information

| | |
|-----------|--|
| MDR-20-24 | 24 V _{oc} /1 A, 24 W Power Supply with DIN-Rail Mounting |
| MDR-60-24 | 24 V _{oc} /2.5 A, 60 W Power Supply with DIN-Rail Mounting |
| MDR-60-48 | 48 V _{oc} /1.25 A, 60 W Power Supply with DIN-Rail Mounting |

NEW

DR-120-48 DR-120-24

DR-120-48
DR-120-24

CE FC

Specifications

| Models | DR-120-48 | DR-120-24 |
|------------------------|--------------------------|--------------------------|
| Input | | |
| Range | 88 – 264 AC | |
| Frequency | 47 – 63 Hz | |
| Output | | |
| Power | 48 Voc/2.5 A max., 120 W | 24 Voc/5.0 A max., 120 W |
| Mechanical | | |
| Dimensions (W x H x D) | 65 mm x 125 mm x 100 mm | |
| Installation | DIN-Rail Mounting | |
| Environmental | | |
| Operating Temperature | -10 °C ~ +60 °C | |
| Storage Temperature | -20 °C ~ +85 °C | -25 °C ~ +85 °C |

Ordering Information

| | |
|-----------|---|
| DR-120-48 | 48 Voc/2.5 A, 120 W Power Supply with DIN-Rail Mounting |
| DR-120-24 | 24 Voc/5.0 A, 120 W Power Supply with DIN-Rail Mounting |

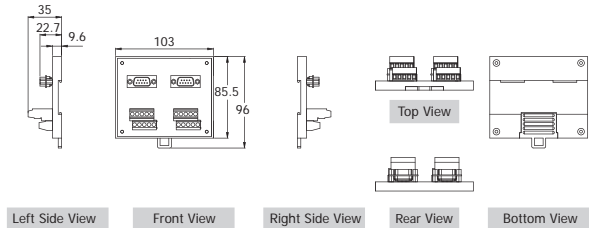
7.3. Terminal Boards & Connector

DN-09-2 CA-0915

DN-09-2F CA-0910F

DN-09-2
DN-09-2F

Dimensions (Unit: mm)



Ordering Information

| | |
|----------|--|
| DN-09-2 | I/O Connector Block with DIN-Rail Mounting and Two 9-Pin Male Header Includes: CA-0915 x 2 (9-Pin Male-Female D-Sub Cable 1.5 M) |
| DN-09-2F | I/O Connector Block with DIN-Rail Mounting and Two 9-Pin Male Header Includes: CA-0910F x 2 (9-Pin Female-Female D-Sub Cable 1.0 M) |

CA-4002

CA-PC09F

Ordering Information

| | |
|----------|---|
| CA-4002 | 37-Pin Male D-Sub Connector with Plastic Cover |
| CA-PC09F | 9-Pin Female D-Sub Connector with Plastic Cover |

7.4. Hub

NEW


USB-2560

4-port Industrial USB 2.0 Hub

Features

- Compliant with USB Specification Revision 2.0
- Built-in NEC uPD720114 USB 2.0 Hub Controller
- Supports High-speed (480 Mbps) and Full-speed (12 Mbps)
- Provides 4 Downstream Ports
- Only Supports Self-powered Mode
- +12 ~ 48 V_{DC} Power Input (power adapter included)
- Supports Downstream Port Status with LED
- DIN-Rail



Introduction

The USB-2560 allows you to add multiple high performance USB 2.0 peripheral devices to your computer (Or XP-8000 series). It supports the USB 2.0 high-speed mode that can achieve 480 Mbps data transmitting rate. The USB-2560 only supports self-powered mode (drawing power from an external power supply). Externally powered USB hubs are the only way to guarantee the broadest compatibility for USB devices.

Specifications

| | |
|---|---|
| Interface | |
| Ports | Upstream x 1 (Type B) Downstream x 4 (Type A) |
| Compatibility | Universal serial bus |
| Transfer Speed | Specification Rev. 2.0/1.1/1.0 480 Mbit/s-high speed mode 12 Mbit/s- full speed mode 1.5 Mbit/s-low speed mode |
| Supply Current | 500 mA max. per port |
| Include Cable | CA-USB18 (1.8 m Cable) x 1 |
| Power Supply Included (USB-2560/S Only) | GPSU06U-6 x 1 for 250 mA per port |
| LED Indicators | |
| Power | 1 LED |
| Downstream Ports | 4 LEDs |
| Power | |
| Input Voltage Range | +12 ~ +48 V _{DC} |
| Power Consumption | 0.25 A @ 24 V _{DC} for 250 mA per port 0.5 A @ 24 V _{DC} for 500 mA per port |
| Power Input Connection | Removable 3-Pin Terminal Block |
| Mechanical | |
| Casing | Plastic |
| Flammability | UL 94V-0 materials |
| Dimensions (W x L x H) | 33 mm x 78 mm x 107 mm |
| Installation | DIN-Rail |
| Environment | |
| Operating Temperature | 0 °C ~ +70 °C |
| Storage Temperature | -20 °C ~ +80 °C |
| Humidity | 10 ~ 90% RH, non-condensing |

Ordering Information

| | |
|---------------|--|
| USB-2560 CR | 4-port Industrial USB 2.0 Hub (RoHS) |
| USB-2560/S CR | 4-port Industrial USB 2.0 Hub with GPSU06U-6 (Power Supply) (RoHS) |

Accessories

| | |
|-----------|--|
| DIN-KA52F | 24 V _{DC} /1.04 A, 25 W Power Supply with DIN-Rail Mounting |
| MDR-20-24 | 24 V _{DC} /1 A, 24 W Power Supply with DIN-Rail Mounting |