



DigiBird Technology Co., Ltd.

UniManager Controller

Hardware Manual V1.0

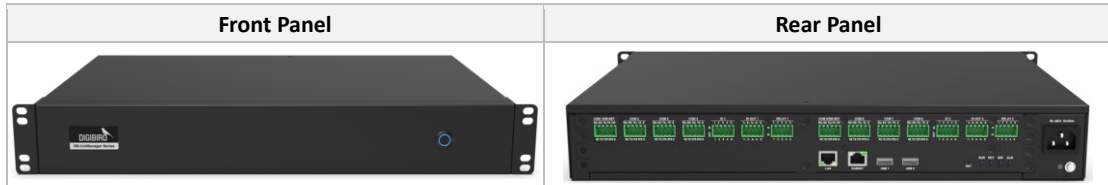
UniManager B Series

1.5U Fixed Chassis

Introduction

The chassis supports 8x COM ports, 8x I/O ports, 10x relay ports and 8x IR ports

Profile



Specifications

UniManager 1.5U		
Interface	COM1/COM5	Supports RS232/RS422/RS485; Max data rate 115,200Kbps; Supports 24V output, max power 10W
	COM2/COM3/COM4 COM6/COM7/COM8	Supports RS232/RS422/RS485; Max data rate 115,200Kbps;
	Digital Input x8	Internal clamping voltage 5.5V Maximum low level input voltage: 0.8V Minimum high level input voltage: 2V Default is pull-up, resistor 51K, voltage 5V Can be configured as pull down, pulldown resistor 51K <i>Note: All ports should be configured to pull-up or pull down as a whole. Does not support be configured individually.</i>
	Digital Output x8	Internal clamping voltage 5.5V Low level output voltage: Typical: 0V Maximum: 0.5V High level output voltage Typical: 5V Minimum: 4.5V Maximum output load: 5V/10mA
	Relay x8	N.O. Relay Rated parameter: 1A /125AC, 2A / 30VDC
	IR x8	Infrared or serial output port Maximum IR output rate: 2MHz; 115.2k One-way serial output: 0-5V Maximum baud rate 115.2k
Others	Power	44W
	Working Voltage	AC input voltage: 90-260VAC / 50-60Hz DC input voltage: 113-370V
	Temperature	0-50°C (Working), -55 - 70°C (Storage)
	Humidity	10%-80% (Working), 10%-90% (Storage)
Physical	Net Weight	5.8 Kg
	Dimension	442.6mm×302mm×67.5mm (L×D×H)

Mini Compact Chassis

Introduction

Single compact controller supports 4x COM ports, 4x I/O ports, 5x relay ports, 4x IR ports and 1x 12V DC power port.

Profile



Specifications

UniManager Mini		
Interface	COM1	Supports RS232/RS422/RS485; Max data rate 115,200Kbps; Supports 24V output, max power 10W
	COM2/COM3/COM4	Supports RS232/RS422/RS485; Max data rate 115,200Kbps;
	Digital Input x4	Internal clamping voltage 5.5V Maximum low level input voltage: 0.8V Minimum high level input voltage: 2V Default is pull-up, resistor 51K, voltage 5V Can be configured as pull down, pulldown resistor 51K <i>Note: All ports should be configured to pull-up or pull down as a whole. Does not support be configured individually.</i>
	Digital Output x4	Internal clamping voltage 5.5V Low level output voltage: Typical: 0V Maximum: 0.5V High level output voltage Typical: 5V Minimum: 4.5V Maximum output load: 5V/10mA
	Relay x5	N.O. Relay Rated parameter: 1A /125AC, 2A / 30VDC
Others	IR x4	Infrared or serial output port Maximum IR output rate: 2MHz; 115.2k One-way serial output: 0-5V Maximum baud rate 115.2k
	Power	25W
	Working Voltage	Input voltage: 12V/3A
	Temperature	0-50°C (working), -55 - 70°C (Restoration)
	Humidity	10%-80 (working), 10%-90% (Restoration)
Physical	Net Weight	1.9 Kg
	Dimension	230.6mm× 241mm× 47mm (L×D×H)

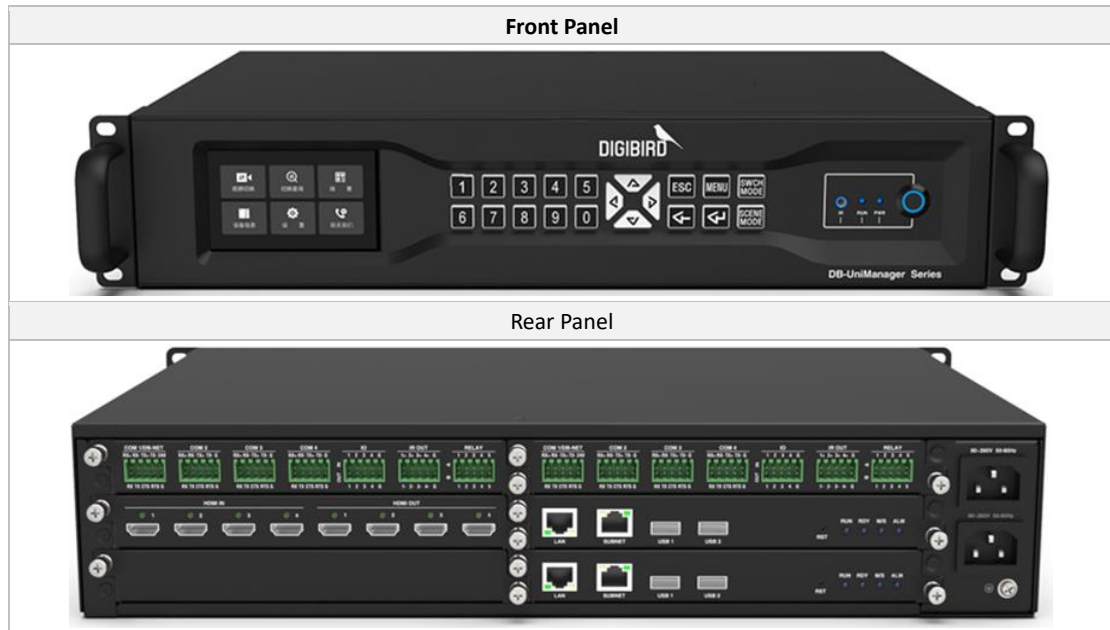
UniManager E Series

2U Modular Chassis

Introduction

Single chassis supports 4x functional cards, 2x PSUs and 2x control cards.

Profile



Specifications

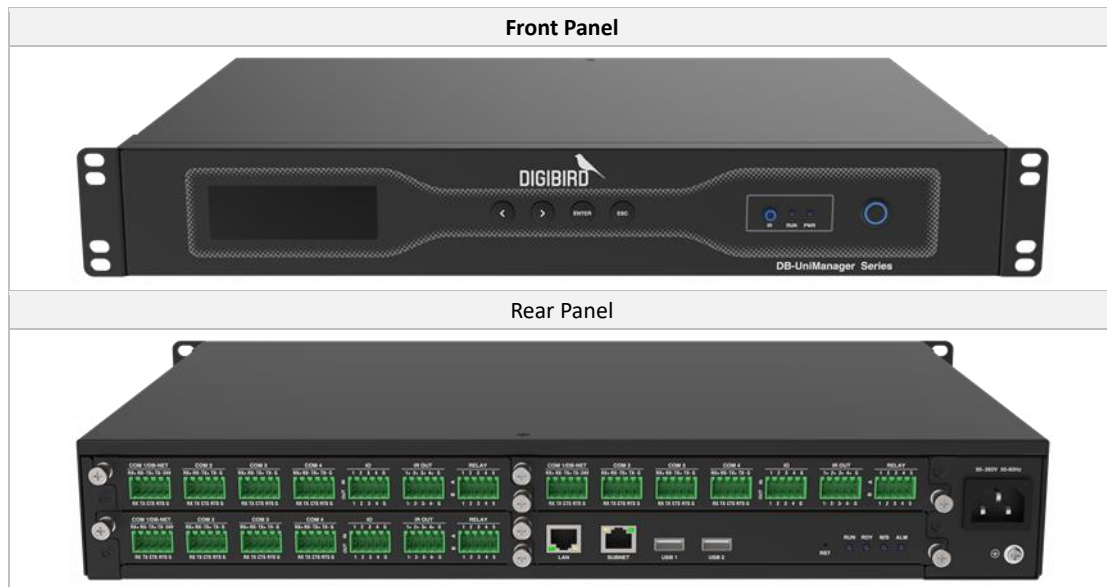
Item	Description	
PSU	Dual PSU	
Slots	Functional	4x functional slots
	Control	2x redundant control cards
Parameters	Power	15W
	Voltage	AC Input: 90-260VAC / 50-60Hz DC Input: 113-370V
	Temperature	0-50°C (working), -55 - 70°C (Restoration)
	Humidity	10%-80 (working), 10%-90% (Restoration)
Physical	Net Weight	6.1Kg
	Dimension	442.6mm×305mm×90mm (L×D×H)

1.5U Modular Chassis

Introduction

Single chassis supports 3x functional cards, 1x PSU and 1x control card.

Profile



Specifications

SpecificationsItem	Description	
PSU	Single PSU	
Slots	Functional	3x functional slots
	Control	Single control card
Parameters	Power	15w
	Voltage	AC Input: 90-260VAC / 50-60Hz DC Input: 113-370V
	Temperature	0-50°C (working), -55 - 70°C (Restoration)
	Humidity	10%-80 (working), 10%-90% (Restoration)
Physical	Net Weight	5.1Kg
	Dimension	442.6mm× 303mm× 66mm (L×D×H)