

UIO40-Express I/O Expansion Boards

UIO40-Express Main Board Selection

RSB-3430 (NXP i.MX6)	View Online
RSB-3720 (NXP i.MX8M Plus)	View Online
RSB-3710 (Rockchip RK3399)	View Online
RSB-3730 (NXP i.MX8M Mini)	View Online
EPC-R7200 (NVIDIA Jetson Compatible)	View Online

UIO-4030

1 x RS-485
1 x RS-232
1 x 4 DIs & 4 DOs



Specifications

General	
USB	–
RS-232	1 x 2 wires RS-232
RS-485	1 x RS-485
GPIO	4 DIs, 4 DOs (2.5–24V)
CAN Bus	–
GbE	–
Dimension	146 x 31 x 22 mm
Environment	
Weight	180g
Operating Humidity	5 ~ 95% relative humidity, non-condensing
Operating Temperature	-40 ~ 85 °C
Storage Temperature	-40 ~ 85 °C and 60 °C @ 95% RH Non-Condensing

Ordering Information

P/N	Description
UIO-4030	UIO-4030, 1 RS232, 4 DIs, 4 DOs, 1 RS-485

UIO-4032

1 x GbE
2 x USB2.0
2 x RS-232



Specifications

General	
USB	2 x USB 2.0
RS-232	2 x 2 wires RS-232
RS-485	–
GPIO	–
CAN Bus	–
GbE	1 x GbE
Dimension	146 x 31 x 22 mm
Environment	
Weight	200g
Operating Humidity	5 ~ 95% relative humidity, non-condensing
Operating Temperature	-40 ~ 85 °C
Storage Temperature	-40 ~ 85 °C and 60 °C @ 95% RH Non-Condensing

Ordering Information

P/N	Description
UIO-4032	UIO-4032, 1 GbE, 2 USB, 2 RS-232

UIO-4034

1 x CAN bus
2 x RS-232



Specifications

General	
USB	–
RS-232	2 x 2 wires RS-232
RS-485	–
GPIO	–
CAN Bus	1 x CAN bus 2.0B, 1 Mbps
GbE	–
Dimension	146 x 31 x 22 mm
Environment	
Weight	180g
Operating Humidity	5 ~ 95% relative humidity, non-condensing
Operating Temperature	-40 ~ 85 °C
Storage Temperature	-40 ~ 85 °C and 60 °C @ 95% RH Non-Condensing

Ordering Information

P/N	Description
UIO-4034	UIO-4034, 1 CAN, 2 RS-232

Compatible Main Boards

Part No.	Description
RSB-3430*D-P*A2E	RSB-3430 NXP i.MX6 Series 2.5" UIO Main Board
RSB-3720**-*CA2E	RSB-3720 NXP i.MX8M Plus Series 2.5" UIO Main Board
RSB-3710*O-X*A1E	RSB-3710 Rockchip RK3399 Series 2.5" UIO Main Board
RSB-3730*O-XNA1E	RSB-3730 NXP i.MX8M Mini Series 2.5" UIO Main Board
EPC-R7200IJ-ALA1**	EPC-R7200 NVIDIA Jetson Compatible UIO Barebones PC

* indicates different configurations, please refer to each main board's datasheet for complete P/N to order.

UIO-4036

4 x GbE



Specifications

General	
USB	-
RS-232	-
RS-485	-
GPIO	-
CAN Bus	-
GbE	4 x GbE
Dimension	146 x 31 x 20 mm
Environment	
Weight	200g
Operating Humidity	5 ~ 95% relative humidity, non-condensing
Operating Temperature	-40 ~ 85 °C
Storage Temperature	-40 ~ 85 °C and 60 °C @ 95% RH Non-Condensing

Ordering Information

P/N	Description
UIO-4036	UIO-4036, 4 GbE

UIO-4038

4 x GbE (3 x LAN; 1 x WAN)



Specifications

General	
USB	-
RS-232	-
RS-485	-
GPIO	-
CAN Bus	-
GbE	4 x GbE (3 x LAN; 1 x WAN)
Dimension	146 x 100 x 20mm
Environment	
Weight	300g
Operating Humidity	5 ~ 95% relative humidity, non-condensing
Operating Temperature	-40 ~ 85 °C
Storage Temperature	-40 ~ 85 °C and 60 °C @ 95% RH Non-Condensing

Ordering Information

P/N	Description
UIO-4038	UIO-4038, 3 x LAN, 1 x WAN

Thermal Solutions

P/N	Description
1970005253T000	UIO-4038 Heat Spreader for EPC-R3720

UIO-4040

NVMe SSD



Specifications

General	
USB	-
RS-232	-
RS-485	-
GPIO	-
CAN Bus	-
GbE	-
NVMe SSD	SQF-C8Bxx-xG-EDx
Dimension	146 x 31 x 20mm
Environment	
Weight	200g
Operating Humidity	5 ~ 95% relative humidity, non-condensing
Operating Temperature	-40 ~ 85 °C
Storage Temperature	-40 ~ 85 °C and 60 °C @ 95% RH Non-Condensing

Ordering Information

P/N	Description
UIO-4040	UIO-4040, NVMe SSD storage 128GB
UIO-4040-256G	UIO-4040, NVMe SSD storage 256GB
UIO-4040-512G	UIO-4040, NVMe SSD storage 512GB
UIO-4040-1TB	UIO-4040, NVMe SSD storage 1TB
UIO-4040-2TB	UIO-4040, NVMe SSD storage 2TB

Thermal Solutions

P/N	Description
1970005329T000	UIO-4040 Heat Spreader for SSD (for EPC-R3720/EPC-R7200)
1970005330T000	UIO-4040 Heat Spreader for IC (for EPC-R3720/EPC-R7200)

Compatible Main Boards

Part No.	Description
RSB-3430*D-P*A2E	RSB-3430 NXP i.MX6 Series 2.5" UIO Main Board
RSB-3720**-*CA2E	RSB-3720 NXP i.MX8M Plus Series 2.5" UIO Main Board
RSB-3710*O-X*A1E	RSB-3710 Rockchip RK3399 Series 2.5" UIO Main Board
RSB-3730*O-XNA1E	RSB-3730 NXP i.MX8M Mini Series 2.5" UIO Main Board
EPC-R7200UJ-ALA1**	EPC-R7200 NVIDIA Jetson Compatible UIO Barebones PC

* indicates different configurations, please refer to each main board's datasheet for complete P/N to order.