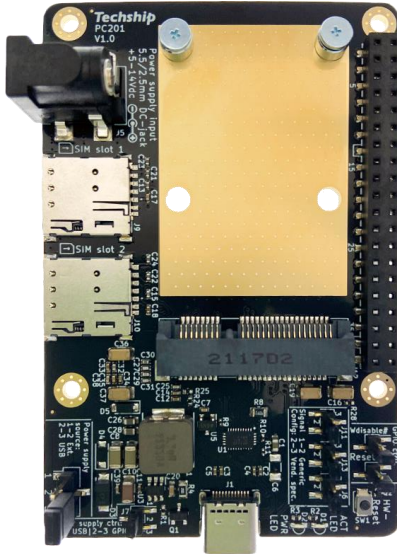


TECHSHIP MINIPCIE TO USB C ADAPTER

PC201

DESCRIPTION



Fast-forward the IoT transition with Techship's PC201 adapter board. Designed to ease the integration of miniPCle based cellular data cards in both new products and existing product design updates.

In-house designed by our engineering team for compatibility with a wide range of miniPCle cellular data cards and useful in numerous types of applications with data connectivity.

Integrate the adapter directly in your host device by USB interface or assemble it on top of your Raspberry Pi4, making an all-in-one host device with cellular connectivity. Perfect when the step from product idea to proof-of-concept and sample devices need to be swift.

The PC201 adapter board is often used as a flexible and cost-effective development kit for miniPCle data cards. The compatibility with a large number of data cards from multiple vendors makes it a handy alternative to expensive vendor specific development kits.

USECASE AND FEATURES

Typical use cases

- Quick IoT transition
- IoT gateway
- Raspberry Pi add-on
- Testing and evaluation
- Software integration
- Troubleshooting
- Log capturing
- Firmware upgrades

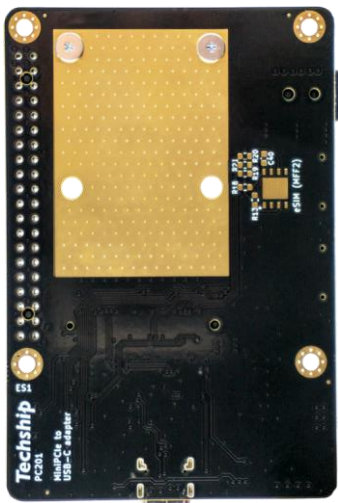
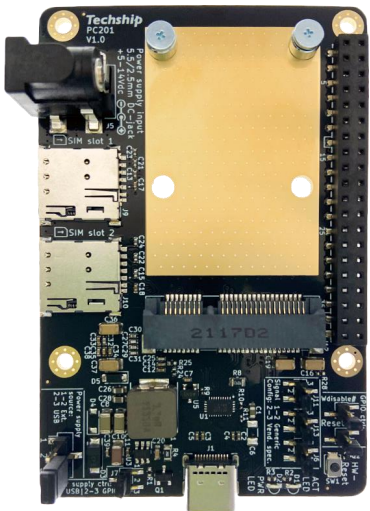
Key features

- Sturdy DC step-down power circuitry
- External power supply input available (5-14V DC)
- Modem hardware control via GPIO header to Raspberry Pi
- Dual SIM card slots (prepared for eSIM chip)
- Thermal planes for modem heat dissipation
- Cellular connectivity to any computer with USB interface

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SPECIFICATION

Adapter Model	PC201
Dimensions	
Width	57mm
Length	85mm (86mm with USB-C socket overlap)
Temperature range	
Operational	-20°C to +75°C
Slot-in card	
Form factor	MiniPCI-e data card
Supported card lengths	Full & half size
Output voltage	+3.4V DC
Max output power	13W
SIM card interfaces	
Type	2x 4FF nano SIM card holder slots
Control signals	
GPIO control	Data card wireless disable signal Data card hardware reset signal DC power circuit enable
Indicator LEDs	
Green LED	DC power circuit enable state
Blue LED	WWAN activity signal state (from data card)
External power supply input	
Connector type	5.5/2.5mm barrel jack positive centre
Voltage rating	Recommended: +5 V to 14 V DC Absolute min/max: +4.5 V to 16 V DC
Power rating	15 W capable supply
USB connector	
Type	USB-C connector
Electrical rating	+5V DC (15 W / 3000 mA)
Signal interfaces	USB3, USB2
Package content	
Adapter	1x PC201
Distance	2x M2.5x2.7mm spacer
Screw	2x M2.5x2mm screw
Pin header jumper	6x 1.27 mm (for signal control) 1x 2.54 mm (for power source selection)
Compliance	
EMC	CE, FCC, ISED
Environmental	RoHS
Others	
Country of origin	Sweden



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