



## One Adapter For Whole World

### Product Description



MOPU universal travel adapter has built-in US/JP/CN, AU, EU, UK sockets, within extra USB and USB-C ports, there's no need for you to bring extra chargers. The adapter covers more than 220 countries worldwide. This means that a tiny adapter can solve all the problems of converting plugs during your journey.



TA160

# 4-Port GaN Travel Fast Charger



Supports Over 220 Countries



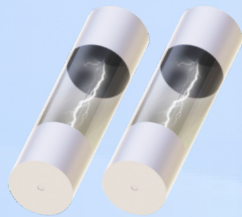
160W Power Output



Dependable Protection



Replaceable Fuse

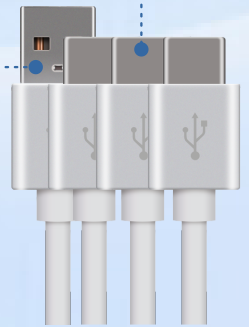


Dual 10A Fuses



3 USB-C Port

USB-A Port



Universal Socket

Supports Over 220 Countries



Fireproof Materials



USA



AUS



EU



UK

# Specification

## 1. Description

This specification apply to the Travel Adapter whose model no. is TA160

**Model:** TA160

**Max Power:** 1000W at 100V~,2400W at 240V~

**Fuse Rating:** ≡ 10A Max

USB-C1/C2/C3 Out:5~21V≡5A(PPS)

USB-C1/C2/C3 Out: 5V/9V/12V/15V≡3A,20V≡5A,28V≡5A(140W Max)

USB-A Out:5V/9V/12V/20V≡3A(60W Max)

USB-C1+C3+(C2+USB-A) Out:100W+45W+15W(160W Max)

USB-C1+C2+C3 Out:70W+30W+60W(160W Max)

USB-C1+(C2+A)/USB-C3+(C2+A) Out:140W+15W(155W Max)

USB-C1+C2/C3+C2 Out:140W+20W(160W Max)

USB-C1+C3 Out:100W+60W(160W Max)

USB-C1+C3+USB-A Out:95W+45W+18W(158W Max)

USB-C1+A/USB-C3+A Out:140W+18W(158W Max)

USB-C2+USB-A Out:5V≡3A(15W Max)

## 2. Electrical Specification

### 2.1 Plug Specifications

Rated working voltage	100-250V
Rated working current	10A MAX
Rated power	2500W MAX

### 2.2 USB Charger Specifications

#### 2.2.1 Input

Rated voltage range	100-240V
Rated input frequency	50Hz/60Hz
Input current	3600mA max. at full load

#### 2.2.2 Rated Output

USB Socket	Output Voltage/Current	Output Voltage Limit(V)	Output Ripple & Noise(mV)
Single port Output: USB-C1/C2/C3:	5~21V/5A (PPS)	3.0~22.05V	≤200
	5V/3A	4.75-5.25V	≤200
	9V/3A	8.55~9.45V	≤200
	12V/3A	11.40~12.60V	≤200
	15V/3A	14.25-15.75V	≤200
	28V/5A(140W Max) Output allocation in power reduction:20V/5A (100W Max)	26.6V-29.4V	≤200
Single Output: USB-A:	5V/3A	4.75-5.25V	≤200
	9V/3A	8.55~9.45V	≤200
	12V/3A	11.40~12.60V	≤200
	20V/3A	19-21V	≤200
Combined Output:USB-C1+C3+(C2+A):	100W+45W+15W Output allocation in power reduction:70W + 30W + 15W		≤200
Combined Output:USB-C1+C2+C3	70W+30+60W Output allocation in power reduction:70W+20W+30W		≤200
Combined Output:C1+(C2+A)/C3+(C2+A):	140W+15W Output allocation in power reduction:100W+15W		≤200
Combined Output:C1+C2/C3+C2:	140W+20W Output allocation in power reduction:70W+35W		≤200
Combined Output:C1+C3:	100W+60W Output allocation in power reduction:70W+35W		≤200
Combined Output:USB-C1+C3+USB-A:	95W+45W+18W Output allocation in power reduction:70W+30W+18W		≤200
Combined Output:USB-C1+A/C3+A	140W+18W Output allocation in power reduction:100W+18W		≤200
Combined Output:USB-C2+USB-A:	5V/3A(15W Max)		≤200

Power reduction rule: When the total power exceeds 140W, start timing for 30 minutes before reducing the power. When the total power falls below 100W, start timing for 1 minute before resuming the normal (non-reduced) power state.

Ripple Voltage is measured with oscilloscope with bandwidth 20MHz. A 10uF E-cap and 0.1uF ceramic-cap shall be connected to the connector in parallel.

### 2.2.3 Short circuit protection

The power supply will be auto recovered after short circuit faults remove.

### 2.2.4 Over current Protection

The power supply will be auto recovered after over current faults remove, and the protection current cannot exceed than the 3900mA.

## 3. Safety and EMI Requirement

### 3.1 Safety: accord with

Certificate	Country	Standards
■ UKCA / CE-LVD	Europe	BS / EN IEC 62368-1
■ UKCA / CE-EMC	Europe	BS / EN 55032/35, BS / EN IEC 61000
■ FCC	USA	FCC 47 CFR Part 15 Subpart B

### 3.2 Dielectric Strength Testing

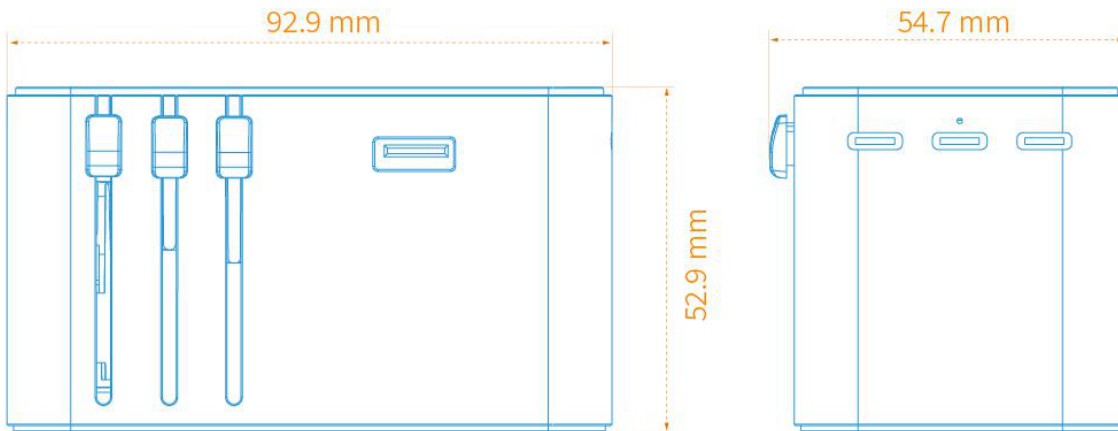
Hi-pot test shall be met the following table requirements, an item listing this test as a 100% production test must be performed and be maintained at that level for a minimum of 3 seconds without failure.

ITEM	SPECIFICATION	REMARK
Primary to Secondary	3000Vac/5mA/3S	No arcing

## 4. Mechanical Requirement

### 4.1 Enclosure

The size of Enclosure: 92.9 x 54.7 x 52.9mm



### 4.2 Case/Resin materials

Flame resistance applies to UL94 V-0 or more.

## 5. Weight

The weight of the Travel Adapter shall be about 244g.