

Wall Charger



RoHS
Compliant



Features

- AC adapter with four standard female USB-A sockets
- Max output: 5V DC 4.8A
- Input plug folds flat for travel
- Input voltage: 100 ~ 240V AC
- Compatible with virtually all Tablets, Smart phones and iPhones
- UL Listed

Power Supply Performance

Input Characteristics

Input Voltage Range	: 90 ~ 264V AC
Nominal Input Voltage	: 100 ~ 240V AC
Frequency Range	: 47 ~ 63Hz
Input Current with Full Load	: ≤0.5A
Inrush current	: 50A
Efficiency (USB Port)	: ≥84.05% Level VI
Standby Power Loss	: ≤0.1W

Output Characteristics

Output Voltage, Current & Regulation

Output Port	Output Voltage		Regulation	Rated Current
	No-load	Full load		
USB1	4.9 - 5.25V	4.7 - 5.25V	±5%	1A (Max.)
USB2	4.9 - 5.25V	4.7 - 5.25V	±5%	1.0A
USB3	4.9 - 5.25V	4.7 - 5.25V	±5%	1.0A
USB4	4.9 - 5.25V	4.55 - 5.25V	±5%	2.4A

Test wire specification: 24AWG /1.0m / 4PCS

DC Output Ripple & Noise

Input Voltage	Ripple & Noise (Max.)
100~240V AC	100mV

Ripple & Noise: Tested by a oscilloscope using 20MHz bandwidth and the output is paralleled a 0.1uF ceramic capacitor and a 10uF electrolysis capacitor

Output Port Definition

Output Port	Output Voltage	ID	Rated current	ID
USB1	5V	D+/D-short:1.2V	1A	Samsung ID
USB2	5V	D+:2.0V/D-:2.7V	1A	Apple ID
USB3	5V	D+:2.0V/D-:2.7V	1A	Apple ID
USB4	5V	D+:2.7V/D-:2.7V	2.4A	Intelligence ID



Wall Charger



Start delay time

Output Voltage	90V AC Input /90V AC	264V AC Input /264V AC
5V	3000ms (max.)	2000ms (max.)

1) The above delay time is measured in the condition of all output ports with full output load.

DC Output Hold-Up Time

Output Voltage	115V AC Input /115V AC	230V AC Input /230V AC
5V	8ms (min)	16ms (min)

Note:

1) The above delay time is measured in the condition of all output ports with full load.

Protection Function

DC Output Over current Protection

Output Voltage	Output Voltage	Comments
5V	5A - 6A	In the power-off state, system will recover automatically after the fault is removed.

DC Output Short Circuit Protection

Output Voltage	Output Voltage
5V	The input power shall decrease when the output is short, the power supply shall not damage, and shall be self-recovery when the fault condition is removed

Safety Standards

Dielectric Strength(Hi-pot)

Primary to Secondary : 3000V AC / 5mA / 60 seconds

Insulation Resistance

10MΩ min. @ primary to secondary add a 500V DC test voltage

Operating Environment

Operating Temperature : -5°C to +35°C

Storage Temperature : -10°C to +60°C

Humidity

Operating : From 20% to 80% relative humidity (non-condensing)

Storage : From 10% to 90% relative humidity (non-condensing)

Altitude

Operating : to 2000m

Storage : to 2000m

Cooling Method

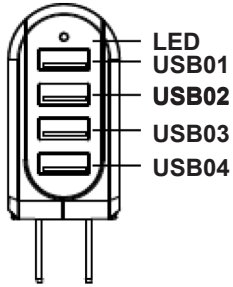
Ventilation cooling



Wall Charger



Drawing and PIN Assignment



Part Number Table

Description	Part Number
5V 4.8A Four Port USB AC Wall Charger	29-7815

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