

UNWGU 65W

I.C.T. / AV

USB PD

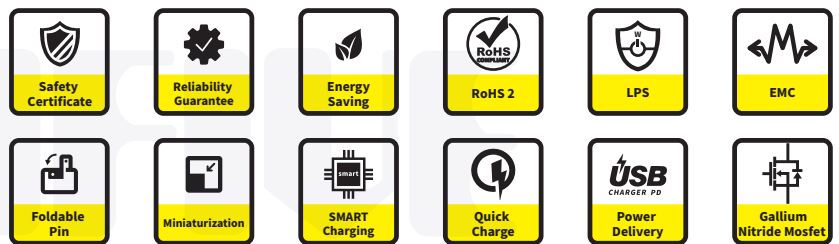
USB-C + USB-A/GaN



▲ UNWGU3065



■ Please contact our sales department for safety standard of each model.



Product Highlights

- Design based on Gallium Nitride Mosfet
- Stability
- Ultra Small Size
- Light Weight
- Efficiency DOE6
- Support PD3.0, PPS, QC3.0, QC4+, FCP, AFC, PE, Apple Mode
- Suit Mobile Phone, Note Book, Tablet, Game Console, Charging Electronic Device

Efficiency

- Energy Efficiency Level VI (ErP / DoE)
- Meet COMMISSION REGULATION(EU) 2019/1782
- Meet DOE 10 CFR part 429 and 430
- Meet DOE VII DRAFT

Protection

- Short Circuit Protection
- Over Voltage Protection
- Over Current Protection
- Over Temperature Protection

Emissions

- FCC Part 15 Class B
- CE CISPR 32 EN55032
- VCCI Class B
- CNS13438

Safety Standard

- 62368-1
- CNS14336
- PSE 別表第八 100V 基準に準拠

Immunity

- EN 55035

Electrical Spec

Input					
Description	Min.	Typ.	Max.	Units	Comment
Voltage	90	100~240	264	Vac	
Frequency	47	50/60	63	Hz	

Environmental					
Description	Min.	Typ.	Max.	Units	Comment
Operating Temperature	0	-	35	°C	Free Convection,Sea Level
Storage Temperature	-20	-	65	°C	Free Convection,Sea Level
Operating Humidity	5	-	95	%RH	No Condensing
Storage Humidity	5	-	95	%RH	No Condensing

Typical model list

Output Condition	DC Output Voltage	DC Output Current	Output Voltage Precision	Ripple	Noise	Average Active Efficiency	No-Load Power Consumption	Option/Remark
USB-C1	5.0V	3.0A	±8%	100mV	200mV	76.41%	0.3W	PD
	9.0V	3.0A	±5%	100mV	200mV	80.82%	0.3W	
	12.0V	3.0A	±5%	100mV	200mV	82.98%	0.3W	
	15.0V	3.0A	±5%	100mV	200mV	84.65%	0.3W	
	20.0V	3.25A	±5%	100mV	200mV	86.00%	0.3W	
USB-C2	5.0V	3.0A	±8%	100mV	200mV	76.41%	0.3W	Quick Charge
	9.0V	2.0A	±5%	100mV	200mV	77.78%	0.3W	
	12.0V	1.5A	±5%	100mV	200mV	77.78%	0.3W	
USB-A	5.0V	3.0A	±8%	100mV	200mV	76.41%	0.3W	Quick Charge
	9.0V	2.0A	±5%	100mV	200mV	77.78%	0.3W	
	12.0V	1.5A	±5%	100mV	200mV	77.78%	0.3W	

■ Measurement Condition

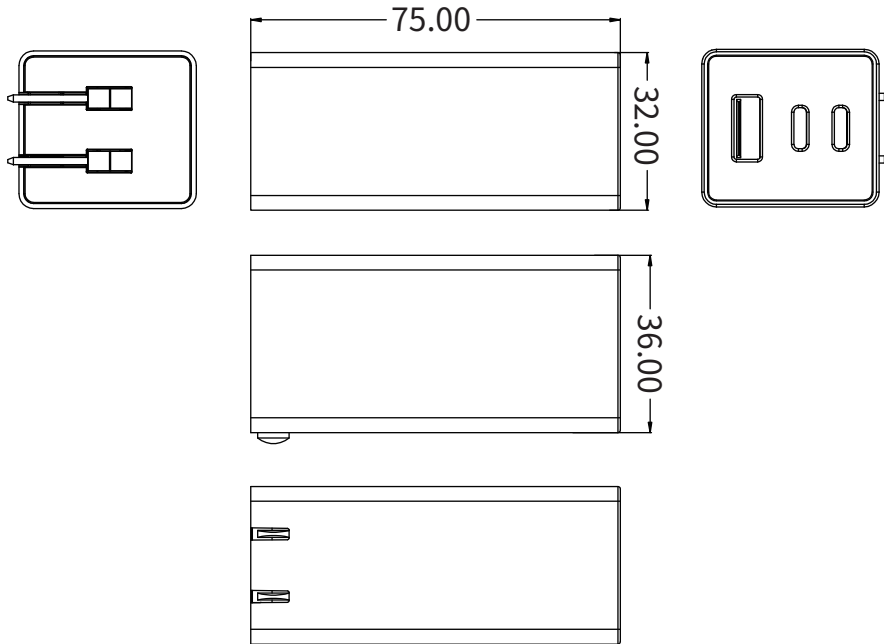
- Measurements shall be made with an oscilloscope with 20MHz bandwidth.
- Outputs shall be bypassed at the connector with a 0.1uF ceramic disk capacitor and a 10uF electrolytic capacitor to simulate system loading.

Output Distribution

Single Port Charging	Two Ports Charging
	<p>USB-C2+USB-A = 15W Max.</p>
Three Ports Charging	
<p>USB-C2+USB-A = 15W Max.</p>	

Mechanical Spec

UNWGU3065



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