

Electronics

65W GaN USB Multiport Power Adaptor: “One Charger Powers all”

APPLICATION

A consumer product which can simultaneously charge a USB Type-C connector notebook, mobile phone, tablet and wearable making it “One Charger Powers all” device. An ultra compact size(half the size of credit card) with foldable AC plug makes it convenient to carry and charge any USB Type-C and Type-A charging connector portable device. Supports fast-charging technology like USB Type-C PD3.0, Qualcomm QC4, Samsung AFC, Huawei SCP/FCP, Apple 2.4

COMPANY NAME	TECHNOLOGY READINESS LEVEL (TRL)	INTELLECTUAL PROPERTY
MokkoMotto Pvt Ltd	TRL: 7 (Validated & Market Ready)	Indian Patent Application No: 202231071346
FOUNDER’S NAME		Trademark: 5829626™
Subhendu Sekhar Satpathy		

PROBLEM ADDRESSED

Every individual carry one or more charger to charge their devices like phone, laptops, wearables making it cumbersome and difficult to carry in your bag and ultimately adds to the global e-waste. MokkoMotto offers a charger that power all devices at once. It is a Gallium Nitride (GaN) based multiport USB charger. The need of the hour is a pocket-sized fast charger supported feature that can refuel laptops, phones and wearables all at one go.

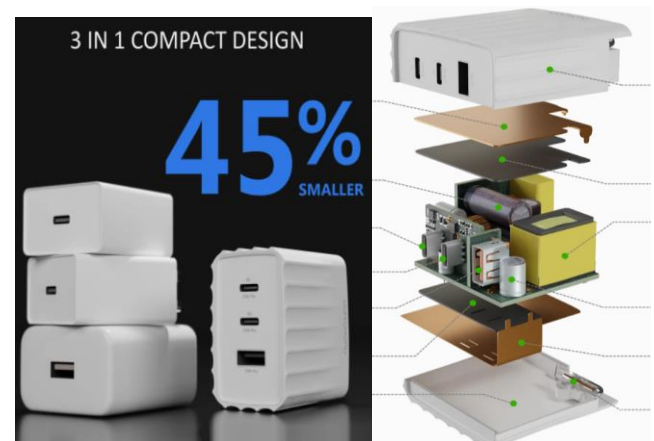
ABOUT THE TECHNOLOGY

Use of 3rd Gen Power electronics switching device (MOSFET) with GaN (Gallium Nitride) technology to make the power adaptor highly efficient, reduce heat losses and Ultracompact. Proprietary design with Intelligent Power sharing topology powered by a 32-bit ARM MCU detects the load, distributes power amongst the ports using real-time active feedback circuit. Product architecture is quite simple, with the scalable and modular approach it is easy to widen the product portfolio with minimal R&D efforts making it faster time to market.

FUNDS RAISED/ACHIEVEMENTS

- Raised INR 17 lakhs grant-in-aid from Startup India Seed Fund Scheme

PRODUCT IMAGE



USP

- One Charger powers all portable devices
- More Efficient
- Less Heat Loss
- Wide compatibility with Industry std Fast charging technology support
- Ultracompact with foldable AC plug makes it convenient to carry

END USERS / CUSTOMERS

- Consumer electronics - accessories - Chargers