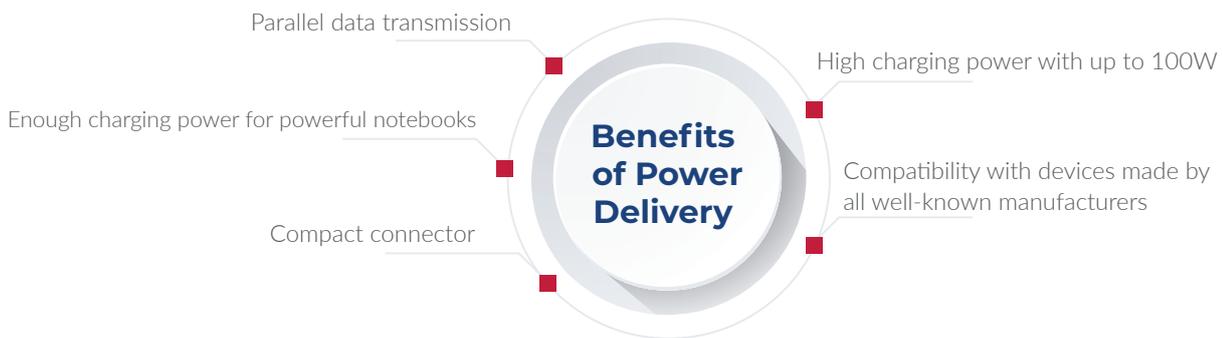


USB TYPE-C POWER DELIVERY

Power Delivery – the open standard for mobile flexibility

The digital breakthrough has long time since affected our world of work, and also our free time. Mobile devices make us flexible. We can make, edit and share videos and photos anywhere - with just one device. And we can take our office everywhere - even into the car. At the same time, we do not want to resign of energy and data-intensive applications. In order to be able to guarantee this mobile flexibility, increasingly higher data transmission rates and faster charging systems are required.

The manufacturers of mobile devices responded to this challenge by the development of a variety of (partly) proprietary, i.e. manufacturer-linked, hardware and software solutions. This made it impossible for car manufacturers to achieve an efficient and intuitive integration of mobile devices. Therefore, it requires a uniform connector which is also able to charge current and future mobile devices.



Compact and efficient

USB Type-C with Power Delivery (PD) is the first connector that supports all reputable manufacturers and provides enough power to be able to quickly charge even powerful notebooks. The Type-C connector is more compact than its predecessors, allowing for lighter and more effective designs. The Type-C plugs can be plugged in on both sides, which increases the service life of the slot and the ease of use.

Powerful integration

Power Delivery is a protocol that delivers unprecedented performance. Batteries will be charged with a power of up to 100 watts. Smartphones, tablets and even notebooks can be fully charged within an hour. The parallel data transmission is possible. Unlike other data transmission solutions, the Power Delivery is not proprietary but constitutes an open specification and is even compatible with Quick Charge 4+ (Qualcomm). This entity has also convinced manufacturers of other devices to integrate Power Delivery (e.g. in VR headsets, monitors, cameras, and in Nintendo's new game console Switch).

Manufacturers of devices supported by PD:

- Apple
- Samsung
- Google
- LG
- SONY
- HP
- Nintendo
- ...

BURY USB Type-C Power Delivery 2x100W



Powerful USB-Module for intelligent networking

BURY delivers a powerful functional model with the „USB Type-C Power Delivery 2X100W“. Two USB Type-C connectors provide intelligent networking between the vehicle and the mobile device. The module combines fast data transmission with a high charging power. The highest efficiency level equals 20V and 5A, giving a power of 100 watts. Even powerful notebooks can be fully charged within an hour. At the same time, the mobile devices can each time intelligently adapt the required power level (e.g. in case of voltage drops). This is due to the fact that the module has an under-voltage detection. In this manner, the efficient performance transmission is achieved. At the same time, data is transmitted at the speed of up to 480Mbit/s.

Integration

BURY has many years of experience in the integration of CE devices. As a partner of automotive producers, BURY has successfully implemented many projects in the field of USB modules in various markets worldwide. Almost all major German manufacturers choose BURY as their preferred partner. By means of USB Type-C Power Delivery, a powerful connector is added to the portfolio. However, it is not necessary to resign of existing advantages. Thus, various connectors can be further connected to meet individual needs (e.g. SD, SIM, AUX). The module's LED backlighting adapts dynamically to the interior backlighting and the visible surfaces are matched to the manufacturer's design concept. As a result, the USB modules merge with the ambient backlighting of the interior. BURY offers development, design and manufacturing – all from one source.



Technical specifications

- 100W USB Power Delivery PPS
- USB-2.0 Data transmission 480Mbit/s
- Qualcomm Quick Charge 4+
- Extendable Profiles
- Temperature monitoring
- Under-voltage detection
- Adjustable current limit
- Automatic voltage compensation (0,25V)
- LED-backlighting

Development, design and manufacturing – all from one source

Many years of experience in the integration of CE devices

Many successfully implemented projects in the field of USB modules

Free combination of different connectors is possible

Adaptation to the design philosophy of the manufacturers

We will gladly answer your questions: contact@bury.com !

BURY is a global automotive supplier offering original equipment. The range of services provided starts with the standard component and ends with development of individual systems. Advanced manufacturing technology at BURY is adjusted to the needs and expectations of customers. BURY has a reputation of a modern and flexible company across Europe and North America: research, design, development, testing and production – all from one source. The company operates extremely efficiently and expands on a global scale.