

ST charging interface



Overview

ST provides a range of power discretes including Silicon-Carbide (SiC) and silicon power MOSFETs, diodes and protection devices (TVS), and isolated gate drivers, as well as high-performance STM32 microcontrollers to contribute to the development of high-efficiency, high-power. ST provides a range of power discretes including Silicon-Carbide (SiC) and silicon power MOSFETs, diodes and protection devices (TVS), and isolated gate drivers, as well as high-performance STM32 microcontrollers to contribute to the development of high-efficiency, high-power. ST logo is a trademark or a registered trademark of STMicroelectronics International NV or its affiliates in the EU and/or other countries. For additional information about ST trademarks, please refer to www.st.com. All other product or service names are the property of their respective owners. STMicroelectronics has introduced a new wireless charging solution aimed at powering high-energy devices such as medical equipment, industrial tools, home appliances, and computer accessories. Dual STWLC99 based wireless charging receiver, with customized RX coil, supports very compact wireless power module design. Flexibly system topology to support more than 200W extension. Integrate unique features such as USB-PD into our transmitter ICs.



Article Content

Dec 24, 2025

USB charging controllers

While on the host side, USB charger controllers recognize the preferred device charging method (USB BC1.2, Apple Divider Mode, etc.) to speed up device charging. The ST portfolio includes products

Jul 16, 2025

EV charging

We can provide a range of power discretes including silicon-carbide (SiC) and silicon power MOSFETs and diodes, isolated gate drivers as well as high-performance STM32 microcontrollers to help

Feb 23, 2026

Protocols and Interfaces for EV Charging

With passing time, new developments such as electrified flying,¹⁴shipping¹⁵or battery-electric trains¹⁶will continue to enter the market and continue to change how charging interfaces and

Jan 31, 2026

New wireless-charging boards from STMicroelectronics

Using ST's new wireless-charging solution, innovators can leverage the convenience and speed of wireless charging in applications that demand a

Apr 20, 2026

STMicroelectronics Wireless Charging Solution for High

This technology enables faster and more efficient charging for products like power tools, drones, and portable lighting systems. The STEVAL

Jan 13, 2026

Wireless Charging

HOVP and dual IEXT protection Robust and reliable FSK and ASK Q factor detection communication • 50W+ wireless charger TX/RX solution with Dual Coils • Supports ST SuperCharge proprietary • Qi

Mar 14, 2026

STMicroelectronics reveals 100-Watt wireless power

The battery charging power reaches up to 100W when combined with ST's STWBC2-HP transmitter solution. The STWLC99 contains non-volatile

Mar 22, 2026

STMicroelectronics Boosts Wireless Charging Speed,

STMicroelectronics' STWLC98 integrated wireless power receiver delivers faster wireless charging and flexible charge sharing for diverse portable

Mar 21, 2026

EV Charging Interface Initiative Welcomes STMicro

The Charging Interface Initiative e. V. (CharIN), an open association founded to develop and establish the Combined Charging System (CCS) as the

Mar 23, 2026

Wireless charging

Discover STMicroelectronics' wireless charging solutions, providing efficient and reliable power delivery for various applications.

Jul 11, 2025

STMicro Wireless 50W Qi Charging IC

Aimed at laptops, smartphones, and tablets, ST maintains that its new STWLC88 is the world's fastest wireless charging IC, beating out last

Jan 20, 2026

Fully Integrated Wireless-Charging IC from STMicro

STMicroelectronics highlights the STWLC68 product family with wireless-charging applications and industry-leading efficiency, highest power

Jun 14, 2026

High power wireless charging solution for mobile and industrial ...

Dual STWLC99 based wireless charging receiver, with customized RX coil, supports very compact wireless power module design. Flexibly system topology to support more than 200W extension. Why

May 08, 2026

EV charging

Explore STMicroelectronics' EV charging DC fast charging station solutions, providing rapid and efficient charging for electric vehicles.

Oct 01, 2025

New wireless-charging boards from STMicroelectronics for industrial ...

Geneva, Switzerland, May 23, 2024 - STMicroelectronics has introduced a 50W, Qi-compatible transmitter and receiver combination to accelerate development of wireless charging for

Apr 27, 2026

Wireless Power Solutions

Flexible interfaces including I2C and configurable GPIOs enable seamless integration with host systems. ST's wireless charging ICs are embedded in

May 03, 2026

AN1464 APPLICATION NOTE

LOW-COST DOUBLE LI-ION BATTERY CHARGER USING ST6255C/ST6265C MCU Priority rules are not changed even if charging is suspended because of overheating. 1.3 MAN-MACHINE

Apr 20, 2026

STMicroelectronics Unveils World's Fastest 50W Qi

"ST's latest STWLC88 wireless-charging IC provides the best solution for wireless-charging applications with industry-leading efficiency, highest power

Aug 11, 2025

Cade Cunningham's Nike ST Charge PE is Detroit Tough

Nike ST Charge Cade Cunningham Detroit Tough Release Details The Nike ST Charge Cade Cunningham Detroit Tough releases May 20, 2026 via Foot Locker. We're still waiting on word

Jul 23, 2025

Qi Compliant Wireless Charging | DigiKey

Rapidly implement Qi compliant 15 Watt wireless power transmitters and receivers using an STWLC33 receiver and STWBC-EP controller.

Nov 02, 2025

EV charging

The number of full electric vehicles (EVs) is rapidly growing and, as a result, the charging infrastructure is also expanding, including DC fast charging stations, which have the attractive capability of

Sep 30, 2025

Wireless charging

Buy the right electronic components, ICs and semiconductor devices for Wireless charging with STMicroelectronics. Prices and availability in real-time, fast shipping.

Jun 25, 2026

Battery Chargers IC

ST's battery chargers management IC products address all rechargeable lithium-ion chemistry battery and provide faster, cooler charging to extend battery life and

Feb 15, 2026

STM32 microcontroller GPIO hardware settings and low-power

Introduction The STM32 microcontroller general-purpose input/output pin (GPIO) provides many ways to interface with external circuits within an application framework. This application note provides basic

Sep 16, 2025

Wireless charging solutions

Optimized device size Minimizing overall PCB area and BOM to achieve the best performance necessary for wearables with ST's unique monolithic wireless charging IC solutions

Sep 16, 2025

EV Charging

Buy the right electronic components, ICs and semiconductor devices for EV Charging - DC Fast Charging Stations with STMicroelectronics. Prices and availability in real-time, fast shipping.

Nov 02, 2025

Charging Interface Initiative (CharIN) e. V.

Erfahren Sie wie die CharIN e. V. mit dem CCS-Standard und Megawatt Charging System die globale Elektromobilität revolutioniert.

Jun 14, 2026

USB Interface IC & Transceivers

ST offers USB interface ICs, USB transceivers and innovative products for power applications, such as USB charging controllers and highly integrated USB PD

Contact Us

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