

西门子6DD1682-0AJ1模块经销商

产品名称	西门子6DD1682-0AJ1模块经销商
公司名称	湖南西控自动化设备有限公司
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产品详情

西门子全新控制器Simatic S7-1200 G2 将于今年发布

【导读】 西门子全新控制器Simatic S7-1200 G2 将于今年冬天发布，这对于小型PLC市场又是一波新冲击。2024年汉诺威工业博览会上发布新一代控制器

For the first time in ten years, Siemens is announcing a new generation of controllers, available in winter of 2024, at Hannover Messe 2024. The Simatic S7-1200 G2 controllers are part of the Simatic controller family. With this new generation of controllers, Siemens is expanding its offerings and demonstrating how these latest innovations will make automation and programming easier for customers.

十年来，西门子在2024年汉诺威展览上宣布新一代控制器，将于2024年冬季上市。Simatic S7-1200 G2控制器是Simatic控制器系列的一部分。通过这一新一代控制器，西门子正在扩大其产品范围，并展示这些新的创新将如何使客户更容易实现自动化和编程。

The new controllers help bridge the worlds of operational technology (OT) and information technology (IT). The controllers' high communication performance and efficient data processing increase production output. By connecting the controllers to IT systems, it is also possible to use advanced data analysis, for example in the cloud.

新的控制器有助于连接操作技术（OT）和信息技术（IT）的世界。控制器的高通信性能和高效的数据处理提高了产量。通过将控制器连接到IT系统，还可以使用数据分析，例如在云中。

The new controllers are part of Siemens Xcelerator, allowing customers to benefit from the standardized engineering approach in the TIA Portal. The Simatic S7-1200 G2 controller generation enables customers to address major challenges, such as productivity, flexibility, and cost optimization.

新控制器是西门子Xcelerator的一部分，使用户能够从博途中的标准化工程方法中受益。Simatic S7-1200 G2控制器一代使用户能够应对重大挑战，如生产力、灵活性和成本优化。

At the trade show, customers can explore the Simatic S7-1200 G2 controller via digital and real exhibit highlights: the S7-1200 G2 – enabling them to experience first-hand how the Simatic S7-1200 G2 supports efficient motion control and flexible machine safety, along with other smart solutions.

在贸易展上，客户可以通过数字和真实的展品亮点探索Simatic S7-1200 G2控制器：S7-1200 G2-使他们能够亲身体会Simatic S7-1200 G2如何支持高效的运动控制和灵活的机器安全，以及其他智能解决方案。

Simatic S7-1200有什么新功能？

Machine builders are facing rising customer demands for more customized and flexible solutions. This is driving the need for technological advances, such as new motion control functionalities, performance improvements, and machine safety solutions. Siemens delivers full scalability across all Simatic controllers and offers the right controller for every customer application.

机器制造商面临着客户对更定制、更灵活的解决方案日益增长的需求。这推动了对技术进步的需求，如新的运动控制功能、性能改进和机器安全解决方案。西门子为所有Simatic控制器提供完全的可扩展性，并为每个客户应用提供合适的控制器。Simatic S7-1200 G2 controllers are setting new performance standards for versatile and high-precision automation applications. The new range of controllers combines integrated motion control functionalities with space-saving and flexible machine safety solutions.

Simatic S7-1200 G2控制器正在为多功能和高精度自动化应用设定新的性能标准。新的控制器系列将集成的运动控制功能与节省空间和灵活的机器安全解决方案相结合。

For example, the S7-1200 G2 controllers make it possible for machine builders to control multiple coordinated axes and simple kinematics. Customers experience increased performance capabilities thanks to improved processing power, dedicated communication performance and more memory, as well as Near Field Communication (NFC) functionality with in-app access to diagnostic, operational, and device data. Plain text diagnostic information about the entire programmable logic controller (PLC) station reduces machine downtime and gives users quick access to data.

例如，S7-1200 G2控制器使机器制造商能够控制多个协调轴和简单的运动学。由于处理能力的提高、专用通信性能和更多内存，以及可在应用程序内访问诊断、操作和设备数据的近场通信（NFC）功能，客户体验到了更高的性能。有关整个可编程逻辑控制器（PLC）站的纯文本诊断信息可减少机器停机时间，并让用户快速访问数据。

写在后

S7-1200是西门子公司推出的一款紧凑型PLC，是S7-200的升级版。主要分为标准型（S7-1200）和极端环境型（SIPLUS S7-1200），该系列结构紧凑、通讯接口丰富、可扩展性强、编程简单、可靠性高，性价比较高，适用于小型设备或项目。S7-1200只能使用博途软件（TIA Portal）进行编程设计，目前新版本是TIA Portal V19。新一代控制的发布预示着S7-1200更紧凑，通讯和运动功能更强大，当然在控制器性能方面也会更高，这将会对小型PLC市场产生不小的冲击。