

## 6AU1445-2AD00-0AA0

Industrial automation components

<b>Manufacturer</b>	Siemens
<b>Catalog number</b>	6au1445-2ad00-0aa0
<b>Category</b>	Industrial automation components
<b>Product type</b>	Industrial automation components
<b>Status</b>	Active product

### Technical specification

<b>Weight</b>	4.08 kgs
<b>Product Type</b>	Drive
<b>I/O Channels</b>	12 DI
<b>Interface Type</b>	profibus
<b>I/O Configuration</b>	12

### Description

The Siemens 6AU1445-2AD00-0AA0 is a high-performance SIMOTION Drive-based Control Unit D445-2 DP/PN, designed for advanced motion control applications. This programmable motion controller is capable of managing up to 64 axes, making it ideal for complex automation tasks in industries such as packaging, material handling, and manufacturing. Key features include a dual fan and battery module, ensuring reliable operation in demanding environments. The unit offers a comprehensive range of interfaces: 12 digital inputs (DI), 16 digital inputs/outputs (DI/DO), 6 DRIVE-CLiQ ports, 2 PROFIBUS ports, 3 PROFINET ports, 2 Ethernet ports, and 2 USB ports, providing versatile connectivity options. It operates with a DC supply voltage of 24 V, with a permissible range between 20.4 V and 28.8 V, and has a typical power loss of 46 W. The device is built to withstand a wide ambient temperature range, from 0°C to 55°C during operation, and can be stored or transported in temperatures between -25°C and +70°C. With dimensions of 380 mm in height, 50 mm in width, and 270 mm in depth, and a weight of 4.3 kg, the 6AU1445-2AD00-0AA0 is engineered for durability and efficiency in industrial settings.