

## 3HAC3616-1

Industrial automation components

<b>Manufacturer</b>	Abb
<b>Catalog number</b>	3hac3616-1
<b>Category</b>	Industrial automation components
<b>Product type</b>	Industrial automation components
<b>Status</b>	Active product

### Technical specification

<b>Weight</b>	1.20 kgs
<b>Operating Voltage</b>	110-240V AC
<b>Power Consumption</b>	50W
<b>Memory</b>	512MB DRAM
<b>Storage</b>	16GB Flash
<b>Operating Temperature Range</b>	0°C to +50°C
<b>Environmental Rating</b>	IP20
<b>Ethernet Ports</b>	4x 10/100 Mbps
<b>Vibration Resistance</b>	5G, 10-500 Hz

### Description

The ABB 3HAC3616-1, also known as the DSQC500, is a main computer board designed for ABB's S4C+ IRB robotic controllers. This central processing unit (CPU) module is integral to the operation of older-generation ABB robotic systems, handling tasks such as motion planning, I/O management, and communication with drives and I/O modules. Key specifications include an operating voltage range of 110-240V AC, a power consumption of 50W, and a memory configuration of 512MB DRAM with 16GB Flash storage. The board operates within a temperature range of 0°C to +50°C and is rated for environmental protection with an IP20 rating. It features four Ethernet ports (10/100 Mbps) for communication and is designed to withstand vibrations up to 5G in the 10-500 Hz range. The product is manufactured in the USA and has a net weight of 0.97 kg.