

6AV6645-0BA01-0AX0

Industrial automation components

Manufacturer	Siemens
Catalog number	6av6645-0ba01-0ax0
Category	Industrial automation components
Product type	Industrial automation components
Status	Active product

Technical specification

Weight	0.01 kgs
Display Type	STN Color
Display Size	5.7 inches
Screen Resolution	320 x 240 pixels
Processor Type	RISC 32-bit 200 MHz
Number of Ports	2
Port Type	RS485;EtherNet (RJ45)
Operating Temperature Range	0°C to +40°C
Storage Temperature Range	-20°C to +60°C
IP Rating	IP65
Backlight MTBF	50,000 hours at 25°C

Description

The Siemens 6AV6645-0BA01-0AX0 is a Mobile Panel from the SIMATIC 6AV6645 series, designed for industrial automation applications. It features a 5.7-inch STN color display with a resolution of 320 x 240 pixels, providing clear and detailed visuals for operator interfaces. The panel is equipped with 14 programmable function keys, eight of which include LED indicators, and a resistive analog touch screen, facilitating intuitive user interaction. Connectivity options include one RS485 interface and one Ethernet (RJ45) port, supporting protocols such as TCP/IP, PROFIBUS, and MODBUS, ensuring seamless integration into various industrial control systems. Powered by a 32-bit RISC processor running at 200 MHz, the panel offers reliable performance for demanding applications. With an IP65 enclosure rating, it is protected against dust and water ingress, making it suitable for harsh industrial environments. The device operates within a temperature range of 0°C to +40°C, with a storage/transport temperature range of -20°C to +60°C, and has a Mean Time Between Failures (MTBF) for backlighting of approximately 50,000 hours at 25°C, ensuring long-term durability. The panel is configurable with WinCC flexible Compact Version 2005 or higher and TIA Portal V11 to V14, providing flexibility in system integration and configuration.