

1764-28BXB

Allen-Bradley (Rockwell Automation) · MicroLogix 1500 / Bulletin 1764

The Allen-Bradley 1764-28BXB is a MicroLogix 1500 base controller unit providing 28 digital I/O points. It offers 24V DC inputs including high-speed inputs and a mix of relay and FET outputs for compact machine control. The base unit supports expansion up to a large I/O count and includes an RS-232 port.

Manufacturer: Allen-Bradley (Rockwell Automation)

Brand: Allen-Bradley

Part Number/Catalog No.: 1764-28BXB

Base Catalog: 1764-28BXB

Series Suffix: None

Product Type: Processor / Controller (Base Unit)

Product Family: MicroLogix 1500 / Bulletin 1764

Model-Specific Specifications:

28 I/O (16 in / 12 out)

24V DC

8 standard plus 8 high-speed (20kHz) inputs

6 relay plus 6 FET outputs

RS-232

expandable to 512 I/O

Series / Family Common Specifications:

Compact, packaged form factor smaller than full-size SLC/PLC; mounts on standard DIN rail and panel.

Available as 24V DC or 120/240V AC powered controllers (variant depends on model).

Embedded I/O on controller; 1762/1764/1765 support optional rackless expansion I/O (1762 modules shared across 1100/1200/1400); 1761 is fixed.

Serial comm via RS-232, RS-485, DH-485; later controllers (e.g. 1766 MicroLogix 1400) add embedded Ethernet.

Programmed with RSLogix 500 / RSLogix Micro; instruction set shared with SLC 500.

Ladder user program + data in nonvolatile memory; optional memory/RTC backup; capacity varies by model.

Lifecycle Status: Discontinued

Discontinuation Date: 2017-06-30

Recommended Replacement: MicroLogix 1400 (e.g., 1766-L32xxxx) or CompactLogix L1/L2