S7-300

# Product Data Sheet

## 6ES7314-1AF10-0AB0

Modular MPI Central Processor

| FUNCTION | FAMILY | ORIGIN | WEIGHT |
|---|---|---|---|
| **Modular MPI Central Processor** | **S7-300** | **Germany** | **Confirm final packed weight** |

Siemens 6ES7314-1AF10-0AB0 is a Modular MPI Central Processor for the S7-300. The values below are limited to the exact documented article.

## 01 VERIFIED TECHNICAL DATA

| | |
|---|---|
| Working memory | 48 KB; not expandable |
| Load memory | Required SIMATIC MMC; 8 MB maximum |
| Backup | Maintenance-free retention by MMC |
| S7 counters | 256; counting range 0-999 |
| S7 timers | 256; range 10 ms-9,990 s |
| Data blocks | 511; DB1-DB511; 16 KB per block |
| I/O address area | 1,024 bytes inputs and 1,024 bytes outputs |
| Process image | 128 bytes inputs and 128 bytes outputs |
| Rack configuration | Four racks maximum; eight modules per rack |
| Clock | Buffered hardware real-time clock |

## 02 ADDITIONAL PRODUCT DATA

| | |
|---|---|
| Diagnostic buffer | 100 entries; not configurable |
| Communication connections | Twelve |
| Integrated interface | Non-isolated RS 485 MPI at 187.5 kbit/s; no integrated DP |
| Supply voltage | 24 V DC nominal; 20.4-28.8 V permitted |
| Typical power loss | 2.5 W |

## 03 OFFICIAL APPLICATIONS

- Industrial Manufacturing
- Water Treatment
- Power Generation

## 04 SYSTEM COMPATIBILITY

Match 6ES7314-1AF10-0AB0 to the installed S7-300, complete wiring, mating hardware, revision and approved configuration. A similar article number does not establish direct interchangeability.

## 05 OFFICIAL SOURCES

**Siemens technical documentation for 6ES7314-1AF10-0AB0**

https://support.industry.siemens.com/

**AMIKON PRODUCT SUPPORT**

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