

AMIKON TECHNICAL DOCUMENTATION

Product Data Sheet

Siemens 6ES7590-0BH00-0AA0

Active Backplane Bus ST 1+8



FAMILY	VARIANT	GRID	ROLE
SIMATIC	ST 1+8	35 mm	Active backplane

Siemens describes 6ES7590-0BH00-0AA0 as an active backplane bus with eight module positions for SIMATIC S7-1500 and ET 200MP equipment. It supports occasional removal and insertion of compatible I/O modules, helping maintain station availability during permitted maintenance or expansion.

01

VERIFIED TECHNICAL INFORMATION

Supported station families	SIMATIC ET 200MP and S7-1500H
Slot arrangement	One CPU or interface-module position plus eight module positions
Module grid	35 mm pitch; 25/35 mm modules use one position, 70 mm modules use two
Identification data	I&M0 to I&M3
Firmware updating	Supported
Typical power loss	2 W
Operating ambient temperature	Horizontal: -30 to +60 degrees C; vertical: -30 to +40 degrees C

Existing exact-model product photograph retained for this PDF only. Website images are unchanged.

02 TECHNICAL INFORMATION CONTINUED

Storage and transport temperature	-40 to +70 degrees C
Maximum operating altitude	5000 m; additional installation restrictions above 2000 m
S7-1500H firmware requirements	Backplane V1.1.0 or later; supported H-CPU V3.1 or later
ET 200MP engineering	TIA Portal V16 with HSP0334 or GSDML V2.35; MF HF requires later versions
S7-1500H engineering	TIA Portal V19 or later
Prioritized startup	Supported for ET 200MP

03 USES AND OPERATIONAL LIMITS

- Official use areas include logistics facilities, offshore oil installations, gas compressors and continuous chemical or pharmaceutical production.
- Reaction-free I/O hot swapping is not available in isochronous mode. Review OB 83 handling before removing configured modules.
- Do not remove the interface module under load; de-energize I/O front connectors and power supply modules before removal.

04 MANUFACTURER EVIDENCE AND LOGISTICS

Siemens exact-product catalog - current specifications and packaging

Siemens Equipment Manual, 11/2024, A5E46240468-AD

Packed size: 30.6 x 11.6 x 3.2 cm (L x W x H), from the current Siemens commercial catalog. Gross shipping weight is not confirmed; catalog net weight and bare module mass are not shipping weight.

The mounting rail and unused-slot protection are ordered separately. Match firmware, supported module order numbers and the station power balance before integration.

AMIKON PRODUCT SUPPORT

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