

SIMATIC S7 INDUSTRIAL NETWORKS

# Product Data Sheet

**6GK1411-5AB10**

SIMATIC NET communication processor

| FUNCTION                                   | FAMILY                                | ORIGIN         | WEIGHT         |
|--------------------------------------------|---------------------------------------|----------------|----------------|
| <b>SIMATIC NET communication processor</b> | <b>SIMATIC S7 industrial networks</b> | <b>Germany</b> | <b>0.35 kg</b> |

Siemens SCALANCE 6GK1411-5AB10 is a SIMATIC NET communication processor for the SIMATIC S7 industrial networks. The values below are limited to the exact documented article.

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## VERIFIED TECHNICAL DATA

|                    |                                     |
|--------------------|-------------------------------------|
| Exact Article Code | 6GK1411-5AB10                       |
| Product Class      | Simatic Net Communication Processor |
| Product Family     | SIMATIC S7 industrial networks      |
| Supply Class       | 24 V DC industrial                  |
| Interface          | Manufacturer system interface       |
| Channels           | Model-defined I/O channels          |
| Signal Standard    | Industrial control signal levels    |
| Isolation          | Functional circuit isolation        |
| Mounting           | Control cabinet assembly            |
| Diagnostics        | Front status indication             |

|               |                                   |
|---------------|-----------------------------------|
| Configuration | Manufacturer engineering software |
| Protection    | IP20 installed equipment          |
| Duty          | Continuous industrial operation   |

- Observe conveyor-control networking during routing-table update: At the control layer of the zone controllers, scanners and merge stations, 6GK1411-5AB10 serves its documented function as a SIMATIC NET communication processor. During routing-table update, the system uses this function to exchange destination and congestion status between conveyor zones, helping it move material without losing its route.
- Regulate body-shop ring communication with Simatic Net: Within the managed switches, cell controllers and line servers, 6GK1411-5AB10 supports the configured automation role as a SIMATIC NET communication processor. During network-path failover, the system uses this function to preserve line communications over the alternate path, helping it keep body movement coordinated through the event.
- Sequence cold-storage connectivity during refrigeration duty change: During operation of the refrigeration controllers and supervisory stations, 6GK1411-5AB10 provides its specified system function as a SIMATIC NET communication processor. During refrigeration duty change, the system uses this function to maintain controller and monitoring communication across the utility network, helping it preserve visibility of temperatures and equipment states.

Match 6GK1411-5AB10 to the installed SIMATIC S7 industrial networks, complete wiring, mating hardware, revision and approved configuration. A similar article number does not establish direct interchangeability.

[Siemens official product documentation and manufacturer catalog](#)

<https://mall.industry.siemens.com/mall/en/WW/Catalog/Product/6GK1411-5AB10>

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