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Data sheet 6ES7617-0BA01-0AB0



*** spare part *** SIMATIC FDE Gateway V1 Field Data Enabler / OT gateway for cloud connections 1xDI 12/24 V - 1xDQ 24 V 1xAI 0...10 V or 4...20 mA 2x 10/100 Mbps 24 V DC industrial power supply observe national approvals! operation outside of USA/Israel!

General information	
Product type designation	SIMATIC FDE Gateway V1
Installation type/mounting	
Design	IoT Gateway, built-in unit
Supply voltage	
Type of supply voltage	12 V DC to 24 V DC
Rated value (DC)	24 V
Mains buffering	
● Mains/voltage failure stored energy time	10 ms; according to IEC 61131-2 (6.2.1.3) severity degree PS2
Input current	
Current consumption, max.	0.6 A
Processor	
Processor type	ARM Cortex-M4F
Storage	
Type of memory	SRAM, SDRAM
Main memory	SDRAM
Capacity of main memory, max.	16 Mbyte
Digital inputs	
Number of digital inputs	1
Input voltage	
● Type of input voltage	DC
● for signal "0"	0 ... 5 V
● for signal "1"	> 12 V DC
Input current	
● for signal "0", max. (permissible quiescent current)	2.26 mA
● for signal "1", typ.	2.26 mA
Digital outputs	
Type of digital output	open collector
Number of digital outputs	1
Short-circuit protection	Yes
Output voltage	
● Type of output voltage	DC
● permissible voltage at output, min.	9.2 V
● permissible voltage at output, max.	28 V
Output current	
● for signal "1" rated value	0.3 A
Analog inputs	
Number of analog inputs	1
Input ranges	

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● Voltage	Yes; 0 to 10V
● Current	Yes; 0 to 20 mA
Input ranges (rated values), voltages	
● 0 to +10 V	Yes
Input ranges (rated values), currents	
● 0 to 20 mA	Yes
Interfaces	
Number of industrial Ethernet interfaces	2; 2x Ethernet (RJ45)
Industrial Ethernet	
● Industrial Ethernet interface	
— 100 Mbps	Yes
Protocols	
Protocols (Ethernet)	
● TCP/IP	Yes
● DHCP	Yes
Interrupts/diagnostics/status information	
LED status display	10x LEDs
Degree and class of protection	
IP degree of protection	IP20
Standards, approvals, certificates	
CE mark	Yes
CSA approval	No
UL approval	No
cULus	No
RCM (formerly C-TICK)	Yes
KC approval	No
EAC (formerly Gost-R)	No
CCC	No; Use 6ES7617-0BA01-0DB0
FCC	No
Ambient conditions	
Ambient temperature during operation	
● min.	-30 °C
● max.	60 °C
Ambient temperature during storage/transportation	
● min.	-40 °C
● max.	70 °C
Altitude during operation relating to sea level	
● Installation altitude above sea level, max.	5 000 m
Relative humidity	
● Operation, max.	85 %
Dimensions	
Width	18 mm
Height	90 mm
Depth	76.6 mm

Classifications

	Version	Classification
eClass	16	27-24-22-08
eClass	14	27-24-22-08
eClass	12	27-24-22-08
eClass	9.1	27-24-22-08
eClass	9	27-24-22-08
eClass	8	27-24-22-08
eClass	7.1	27-24-22-08
eClass	6	27-24-22-08
ETIM	10	EC001423
ETIM	9	EC001423

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ETIM	8	EC001423
ETIM	7	EC001423
IDEA	4	3564
UNSPSC	15	32-15-17-05

Approvals / Certificates

General Product Approval





Confirmation





Confirmation

General Product Approval





Radio Equipment Type Approval Certificate

Confirmation

Confirmation

Miscellaneous

Miscellaneous

Radio Equipment Type Approval Certificate

Confirmation

FCC

last modified: 8/28/2026

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