

SIMATIC ET 200SP Open Controllers, CPU 1515SP PC. spare part, 4 GB RAM, without CFast, Interfaces: 1x slot CFAST, 1x slot SD/MMC, 1x connection for ET 200SP bus adapter PROFINET 1x 10/100/1000 Mbit/s Ethernet 3x USB, 1x DVI-I graphics card connection



Figure similar

General information	
Product type designation	CPU 1515SP PC
HW functional status	FS03
Installed software	
• Visualization	No
• Control	No
Control elements	
Mode selector switch	1
Supply voltage	
Rated value (DC)	24 V
permissible range, lower limit (DC)	19.2 V
permissible range, upper limit (DC)	28.8 V
Reverse polarity protection	Yes
Mains buffering	
• Mains/voltage failure stored energy time	5 ms
Input current	
Current consumption (rated value)	1.5 A; Full processor load, incl. ET 200SP modules and using USB
Current consumption (in no-load operation), typ.	0.6 A
Inrush current, max.	4.7 A; Rated value
Power	
Active power input, max.	36 W; incl. ET 200SP modules and using USB
Infeed power to the backplane bus	8.75 W
Power loss	
Power loss, typ.	15 W; without ET 200SP modules and without using USB
Processor	
Processor type	Dual-Core 1 GHz, AMD G Series APU T40E
Memory	
Type of memory	DDR3-SDRAM
Main memory	4 GB RAM
CFast memory card	No
Hardware configuration	
Integrated power supply	Yes
Rack	
• Modules per rack, max.	64; CPU + 64 modules + server module (mounting width max. 1 m)
• Number of lines, max.	1
Time of day	
Clock	
• Type	Hardware clock

<ul style="list-style-type: none"> • Hardware clock (real-time) • Backup time • Deviation per day, max. 	Yes; Resolution: 1 s 6 wk; At 40 °C ambient temperature, typically 10 s; Typ.: 2 s
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Interfaces

Number of industrial Ethernet interfaces	1
Number of PROFINET interfaces	1
Number of RS 485 interfaces	1; Via CM DP module
Number of USB interfaces	3; 3x USB 2.0 on the front, 500 mA each - of which 2x 500 mA and 1x 100 mA simultaneously
Number of SD card slots	1

Video interfaces

<ul style="list-style-type: none"> • Graphics interface 	1x DVI-I
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1. Interface

Interface type	PROFINET
automatic detection of transmission rate	Yes
Autonegotiation	Yes
Autocrossing	Yes

Interface types

<ul style="list-style-type: none"> • RJ 45 (Ethernet) <ul style="list-style-type: none"> — Transmission rate, max. — Industrial Ethernet status LED • Number of ports • integrated switch 	Yes; Via BusAdapter BA 2x RJ45 100 Mbit/s Yes 2 Yes
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2. Interface

Interface type	Integrated Ethernet interface
automatic detection of transmission rate	Yes
Autonegotiation	Yes
Autocrossing	Yes

Interface types

<ul style="list-style-type: none"> • RJ 45 (Ethernet) <ul style="list-style-type: none"> — Transmission rate, max. — Industrial Ethernet status LED • Number of ports 	Yes; Integrated 1 000 Mbit/s No 1
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Interface types

RS 485	
<ul style="list-style-type: none"> • Transmission rate, max. 	12 Mbit/s

Protocols

Open IE communication	
<ul style="list-style-type: none"> • TCP/IP <ul style="list-style-type: none"> — Data length, max. 	64 kbyte

Standards, approvals, certificates

CE mark	Yes
CSA approval	Yes
cULus	Yes
FM approval	Yes
RCM (formerly C-TICK)	Yes

Ambient conditions

Ambient temperature during operation	
<ul style="list-style-type: none"> • min. • max. • horizontal installation, min. • horizontal installation, max. • vertical installation, min. • vertical installation, max. 	0 °C Up to 60 °C with max. 32 ET 200SP modules and 3x 100 mA USB load; up to 55 °C with max. 64 ET 200SP modules and 2x max. 500 mA and 1x max. 100 mA USB load 0 °C 60 °C 0 °C 50 °C; With max. 32 ET 200SP modules and 3x 100 mA USB load

Ambient temperature during storage/transportation

<ul style="list-style-type: none"> • min. • max. 	-40 °C 70 °C
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Vibrations

<ul style="list-style-type: none"> • Operation, tested according to IEC 60068-2-6 • Transport, tested acc. to IEC 60068-2-6 	Yes Yes
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Shock testing

- tested according to IEC 60068-2-6
- tested according to IEC 60068-2-27
- tested according to IEC 60068-2-29
- Storage/transport, tested acc. to IEC 60068-2-27

Yes
Yes
Yes
Yes

Peripherals/Options

SD card Optionally for additional mass storage

Dimensions

Width 160 mm
Height 117 mm
Depth 75 mm

Weights

Weight, approx. 0.83 kg

last modified: 11/3/2021 