

product type designation



SIPLUS ST7 MD720 2G

SIPLUS NET MD720 2G based on 6NH9720-3AA01-0XX0 with conformal coating, -25...+70 °C, GSM/GPRS, 2G mobile radio modem with RS-232 interface; for GSM services CSD, GPRS, SMS; Quadband GSM; AT command interface; observe national approvals! automatic GPRS connection setup; incl. gender changer for RS-232/PPI adapter

transfer rate

transfer rate	
<ul style="list-style-type: none"> for GSM transmission 	9600 bit/s
<ul style="list-style-type: none"> for GPRS transmission / with downlink / maximum 	54 kbit/s
<ul style="list-style-type: none"> for GPRS transmission / with uplink / maximum 	42 kbit/s

interfaces

number of electrical connections	
<ul style="list-style-type: none"> for network components or terminal equipment 	1
<ul style="list-style-type: none"> for internal network 	1
<ul style="list-style-type: none"> for external network 	1
number of electrical connections	
<ul style="list-style-type: none"> for external antenna(s) 	1
<ul style="list-style-type: none"> for power supply 	1
type of electrical connection	
<ul style="list-style-type: none"> for internal network 	9 pin Sub D
<ul style="list-style-type: none"> for external network 	SMA antenna socket (50 ohms)
<ul style="list-style-type: none"> for external antenna(s) 	SMA antenna socket (50 ohms)
<ul style="list-style-type: none"> for power supply 	4-pole terminal strip

WAN connection

type of wireless network / is supported	GSM
type of mobile wireless service / is supported	GPRS
operating frequency / for GSM transmission	850 MHz, 900 MHz, 1800 MHz, 1900 MHz
type of GPRS time slot method / multislot class 10	Yes

supply voltage, current consumption, power loss

supply voltage / rated value	12 ... 30
consumed current	
<ul style="list-style-type: none"> at rated supply voltage / maximum 	355 mA
power loss [W]	
<ul style="list-style-type: none"> typical 	3.4 W
supply voltage / 1 / rated value	24 V
<ul style="list-style-type: none"> type of voltage / 1 / of the supply voltage 	DC

ambient conditions

ambient temperature	
<ul style="list-style-type: none"> in horizontal mounting position / during operation 	70 ... -40 °C; Startup @ -25 °C
<ul style="list-style-type: none"> during storage and transport 	85 ... -25 °C
installation altitude / at height above sea level / maximum	5000 m
ambient condition / relating to ambient temperature - air pressure - installation altitude	Tmin ... Tmax at 1 140 hPa ... 795 hPa (-1 000 m ... +2 000 m) // Tmin ... (Tmax - 10 K) at 795 hPa ... 658 hPa (+2 000 m ... +3 500 m) // Tmin ... (Tmax - 20 K)

	at 658 hPa ... 540 hPa (+3 500 m ... +5 000 m)
relative humidity / with condensation / according to IEC 60068-2-38 / maximum	100 %; RH including condensation/frost (no commissioning when condensation is present), horizontal installation
chemical resistance / to commercially available cooling lubricants	Yes; incl. airborne diesel and oil droplets
resistance to biologically active substances <ul style="list-style-type: none"> conformity according to EN 60721-3-3 conformity according to EN 60721-3-6 	Yes; Class 3B2 mold and fungal spores (excluding fauna); class 3B3 on request Yes; Class 6B2 mold, fungal and dry rot spores (excluding fauna)
resistance to chemically active substances <ul style="list-style-type: none"> conformity according to EN 60721-3-3 conformity according to EN 60721-3-6 	Yes; Class 3C4 (RH < 75 %) incl. salt spray acc. to EN 60068-2-52 (severity degree 3); * Yes; Class 6C3 (RH < 75%) incl. salt spray acc. to EN 60068-2-52 (Severity degree 3); *
resistance to mechanically active substances <ul style="list-style-type: none"> conformity according to EN 60721-3-3 conformity according to EN 60721-3-6 	Yes; Class 3S4 incl. sand, dust; * Yes; Class 6S3 incl. sand, dust; *
environmental category / according to IEC 60721 / note	* The supplied plug covers must remain in place on the unused interfaces during operation!
coating / for equipped printed circuit board / according to EN 61086	Yes; Class 2 for high availability
type of coating <ul style="list-style-type: none"> protection against pollution according to EN 60664-3 	Yes; protection of the type 1
type of test / of the coating / according to MIL-I-46058C	Yes; coating discoloration during service life possible
product conformity / of the coating / Qualification and Performance of Electrical Insulating Compound for Printed Board Assemblies according to IPC-CC-830A	Yes; conformal coating, class A
design, dimensions and weights	
design	compact
depth	90 mm
height	100 mm
width	30 mm
net weight	150 g
fastening method <ul style="list-style-type: none"> 35 mm DIN-rail mounting wall mounting 	Yes Yes
product functions / management, configuration, engineering	
product function <ul style="list-style-type: none"> CLI web-based management MIB support 	No No No
protocol / is supported <ul style="list-style-type: none"> Telnet HTTP 	No No
type of configuration	AT commands
standards, specifications, approvals	
standard <ul style="list-style-type: none"> for EMC for hazardous zone for safety / from CSA and UL for emitted interference for interference immunity 	EN 61000-6-2, EN 61000-6-4, EN 55022, EN 55024, EN 301 489-1, EN 301 489-7 II 3 G Ex nA IIC T4 Gc UL 60950 EN 55022, EN 61000-6-4 EN 55024, EN 61000-6-2
certificate of suitability <ul style="list-style-type: none"> CE marking 	CE conformance declaration Yes
further information / internet links	
internet link <ul style="list-style-type: none"> to website: Selection guide for cables and connectors to web page: selection aid TIA Selection Tool to website: Mobile radio national approval to website: Industrial communication to web page: SiePortal 	https://support.industry.siemens.com/cs/ww/en/view/109766358 https://www.siemens.com/tstcloud https://www.siemens.com/mobile-approvals https://www.siemens.com/simatic-net https://sieportal.siemens.com/

- to website: Image database
- to website: CAx-Download-Manager
- to website: Industry Online Support

<https://www.automation.siemens.com/bilddb>

<https://www.siemens.com/cax>

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

security information

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Approvals / Certificates

General Product Approval

[Manufacturer Declaration](#)



[China RoHS](#)



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