SIEMENS

Data sheet 6AG1720-3AA01-7XX0

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	
● for GSM transmission	9600 bit/s
● for GPRS transmission / with downlink / maximum	54 kbit/s
● for GPRS transmission / with uplink / maximum	42 kbit/s
interfaces	
number of electrical connections	
● for network components or terminal equipment	1
● for internal network	1
● for external network	1
number of electrical connections	
● for external antenna(s)	1
● for power supply	1
type of electrical connection	
● for internal network	9 pin Sub D
● for external network	SMA antenna socket (50 ohms)
● for external antenna(s)	SMA antenna socket (50 ohms)
● 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	
● at rated supply voltage / maximum	355 mA
power loss [W]	
● typical	3.4 W
supply voltage / 1 / rated value	24 V
● type of voltage / 1 / of the supply voltage	DC
ambient conditions	
ambient temperature	
● in horizontal mounting position / during operation	70 ... -40 °C; Startup @ -25 °C
● 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)

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	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	
● conformity according to EN 60721-3-3	Yes; Class 3B2 mold and fungal spores (excluding fauna); class 3B3 on request
● conformity according to EN 60721-3-6	Yes; Class 6B2 mold, fungal and dry rot spores (excluding fauna)
resistance to chemically active substances	
● conformity according to EN 60721-3-3	Yes; Class 3C4 (RH < 75 %) incl. salt spray acc. to EN 60068-2-52 (severity degree 3); *
● conformity according to EN 60721-3-6	Yes; Class 6C3 (RH < 75%) incl. salt spray acc. to EN 60068-2-52 (Severity degree 3); *
resistance to mechanically active substances	
● conformity according to EN 60721-3-3	Yes; Class 3S4 incl. sand, dust; *
● conformity according to EN 60721-3-6	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	
● 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	
● 35 mm DIN-rail mounting	Yes
● wall mounting	Yes
product functions / management, configuration, engineering	
product function	
● CLI	No
● web-based management	No
● MIB support	No
protocol / is supported	
● Telnet	No
● HTTP	No
type of configuration	AT commands
standards, specifications, approvals	
standard	
● for EMC	EN 61000-6-2, EN 61000-6-4, EN 55022, EN 55024, EN 301 489-1, EN 301 489-7
● for hazardous zone	II 3 G Ex nA IIC T4 Gc
● for safety / from CSA and UL	UL 60950
● for emitted interference	EN 55022, EN 61000-6-4
● for interference immunity	EN 55024, EN 61000-6-2
certificate of suitability	CE conformance declaration
● CE marking	Yes
further information / internet links	
internet link	
● to website: Selection guide for cables and connectors	https://www.plcbin.com/?s=6AG1720-3AA01-7XX0
● to web page: selection aid TIA Selection Tool	https://www.plcbin.com/?s=6AG1720-3AA01-7XX0
● to website: Mobile radio national approval	https://www.plcbin.com/?s=6AG1720-3AA01-7XX0
● to website: Industrial communication	https://www.plcbin.com/?s=6AG1720-3AA01-7XX0
● to web page: SiePortal	https://www.plcbin.com/?s=6AG1720-3AA01-7XX0

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● to website: Image database	https://www.plcbin.com/?s=6AG1720-3AA01-7XX0
● to website: CAx-Download-Manager	https://www.plcbin.com/?s=6AG1720-3AA01-7XX0
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security information

security information	Siemens provides products and solutions with industrial cybersecurity functions that support the secure operation of plants, systems, machines and networks. In order to protect plants, systems, machines and networks against cyber threats, it is necessary to implement - and continuously maintain - a holistic, state-of-the-art industrial cybersecurity concept. Siemens' products and solutions constitute one element of such a concept. Customers are responsible for preventing unauthorized access to their plants, systems, machines and networks. Such systems, machines and components should only be connected to an enterprise network or the internet if and to the extent such a connection is necessary and only when appropriate security measures (e.g. firewalls and/or network segmentation) are in place. For additional information on industrial cybersecurity measures that may be implemented, please visit www.siemens.com/cybersecurity-industry. Siemens' products and solutions undergo continuous development to make them more secure. Siemens strongly recommends that product updates are applied as soon as they are available and that the latest product versions are used. Use of product versions that are no longer supported, and failure to apply the latest updates may increase customer's exposure to cyber threats. To stay informed about product updates, subscribe to the Siemens Industrial Cybersecurity RSS Feed under https://www.plcbin.com/?s=6AG1720-3AA01-7XX0. (V4.7)

Approvals / Certificates

General Product Approval

Manufacturer Declaration	CE EG-Konf.	UKCA	China RoHS	EAC

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