

Product type designation

GPRS router MD 740-1

SINAUT MD740-1 GPRS ROUTER; FOR WIRELESS IP COMMUNICATION OF ETHERNET BASED AUTOMATION UNITS VIA GSM MOBILE RADIO NETWORKS BY USE OF GPRS SERVICE; NOTE NATIONAL APPROVALS! INTEGRATED FIREWALL AND VPN ROUTER (IPSEC); QUADBAND-GSM; GPRS MULTISLOT CLASS 10; MANUAL ON CD IN GERMAN AND ENGLISH



Transmission rate

Transfer rate	10 Mbit/s, 100 Mbit/s
Transfer rate	
for GSM transmission	9600 bit/s
for GPRS transmission / with downlink / maximum	85.6 kbit/s
for GPRS transmission / with uplink / maximum	85.6 kbit/s

Interfaces

Number of electrical connections	
for internal network	1
for external network	1
for power supply	1
Type of electrical connection	
for internal network	RJ45 port (10/100 Mbit/s, TP, autocrossover)
for external network	SMA antenna socket (50 ohms)
for power supply	Terminal strip

WAN connection

Type of mobile 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	24 V
Supply voltage / Rated value	18 ... 30
Type of voltage / of the supply voltage	DC
Active power loss	
• typical	8 W

Permitted ambient conditions

Ambient temperature	
• during operation	-20 ... +50 °C
• during storage	-25 ... +85 °C
Relative humidity / at 25 °C / during operation / maximum	95 %
Protection class IP	IP20

Design, dimensions and weight

Design	compact
Depth	114 mm
Height	99 mm
Width	45 mm
Net weight	280 g
Mounting type	
• 35 mm DIN rail mounting	Yes
• S7-300 rail mounting	No
• S7-1500 rail mounting	No
• wall mounting	No

Product functions / Routing

Router function	
• NAT (IP masquerading)	Yes
• Port forwarding	Yes
• NAT traversal	Yes
• 1:1 NAT	No
• DNS cache	Yes

Product functions / Security

Suitability for operation / Virtual Private Network	Yes
Firewall version	Statefull Inspection
Number of possible connections / with VPN connection	10

Type of authentication / with Virtual Private Network / PSK	Yes
Protocol / is supported	
• IPsec tunnel and transport mode	Yes
Key length	
• with IPsec DES / with Virtual Private Network	56 bit
• 1 / with IPsec AES / with Virtual Private Network	128 bit
• 2 / with IPsec AES / with Virtual Private Network	192 bit
• 3 / with IPsec AES / with Virtual Private Network	256 bit
• with IPsec 3DES / with Virtual Private Network	168 bit
Type of Internet key exchange / with Virtual Private Network	
• main mode	Yes
• quick mode	Yes
Type of packet authentication / with Virtual Private Network	MD5, SHA-1
IETF profile / with Virtual Private Network / X.509v3 certificate	Yes

Product functions / Time

Protocol / is supported	
• NTP	Yes

Standards, specifications, approvals

Certificate of suitability	Current approvals can be found on the Internet at http://www.siemens.de/simatic-net/ik-info
• CE marking	Yes

Further Information / Internet Links

Internet-Link	
• to website: Selector for cables and connectors	http://www.siemens.com/snst
• to website: Selector SIMATIC NET SELECTION TOOL	http://www.siemens.com/snst
• to website: Mobile radio national approval	www.siemens.de/mobilfunkzulassungen
• to website: Industrial communication	http://www.siemens.com/simatic-net
• to website: Industry Mall	https://mall.industry.siemens.com
• to website: Information and Download Center	http://www.siemens.com/industry/infocenter
• to website: Image database	http://automation.siemens.com/bilddb
• to website: CAx Download Manager	http://www.siemens.com/cax
• to website: Industry Online Support	https://support.industry.siemens.com

Security information

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