



EasyGateway® V50
Technical data

The proven EasyGateway® V5x family ensures security and productivity when accessing your networks or exchanging data in your environments.

Secure protocols and unrestricted Internet communication via C2C or VPN, as well as a wide range of local interfaces, make the EasyGateway® V50 the ideal communication gateway for router and/or edge device applications.

Basic system

		V50
CPU & peripherals	CPU ARM Cortex A5 500 MHz + ARM M4 167 MHz	✓
	RAM memory 256 MB	✓
	NAND flash memory 512 MB	✓
	Internal temperature measurement	✓
	Board controller / watchdog with power-up reset	✓
	Expansion slot	✓
Mobile transmission	LTE Cat4, UMTS/HSPA, GSM/GPRS/EDGE	✓
	Pluggable mobile module	✗
	Pluggable and/or solderable SIM	✓
	External SMA antenna connection	✓
	Additional internal antenna (diversity)	✗
WAN	Ethernet connection 10/100 Mbps	✓
LAN	2 x Ethernet connection 10/100 Mbps (switch port)	✗
Serial interface	RS485 on 2-pin spring-loaded terminal or RJ12 socket	✓
Operating system / operating software	LINUX	✓
	Aartesys Mgmt basic module "Counter Box"	✓
Management	RMS: https-based management system AMIRA from Aartesys	✓

	Built-in WEB interface for configuration via http/https	✓
	Remote update	✓
	Configurable life sign	✓
	SNMP	✓
	MQTT	✓
Network protocols	SSH	✓
	FTP/SFTP	✓
	DHCP server / DHCP relay / DHCP client	✓
	DNS relay	✓
	TLS 1.2 (TLS 1.3 in preparation)	✓
	NTP client and server	✓
	Modbus/TCP client and server	✓
Serial protocols	Modbus/RTU client and server	✓
	Modbus gateway (Modbus/TCP <-> Modbus/RTU)	✓
	Metering protocols IEC, DLMS	✓
	M-Bus	✓
VPN	OpenVPN	✓
	IPsec	✓
Firewall	IPv4 stateful packet inspection SPI (incoming/outgoing)	✓
	NAT masquerading	✓
	1:1 NAT	✓
	Port forwarding	✓
	Layer 2/3 filter (VLAN ID, VLAN, QoS tag, MAC address, EtherType frame)	✓
Monitoring	Logging	✓
	SNMP trap	✓
Power supply	85 – 275 V AC 50/60Hz	✓
	Optional DC 9 -36V / 18 – 72V	✓
	Optional Supercap UPS,> 2 minutes runtime	✓
Housing	Housing for 35 mm top-hat rail according to EN 60715 / L x W x H = 106 x 90 x 63 mm / IP20	✓
	Sealable cover IP30	✓
Display and control elements	Bicolor LED, start-up/operation	3
	LED yellow Mobile communication status	1
	LED green/yellow Communication status Ethernet	2
	User button	✓
	Reset button (power up reset)	✓
Environment	Temperature -20 to +85°C	✓
	Relative humidity max. 95% (with plug-in SIM 90%)	✓

Optional hardware extensions

Expansion slot (internal) / connector (external)	2x RS485 interface and USB 2.0 / RJ12 socket and front USB 2.0 socket	✓
	RS485 interface and switchable 5V power supply / RJ12 socket	✓
	RS232 interface (4-wire) and 5V power supply / RJ12 socket	✓
	Mbus interface for 15 bus loads / 2-pole spring-loaded terminal	✓
	CL interface / 2-pole spring-loaded terminal	✓
WAN fibre connection	External DIN rail adapter	✓
External I/O	External modules via Modbus interface	✓