Product information
OWL LTE - OWL LTE-S20TTA12121GTDAHHXX.X.XX

Name	OWL LTE
	LTE, UMTS/HSPA+, GSM/GPRS/EDGE Router
Delivery informations	
Availability	available
Product description	
Description	LTE, UMTS/HSPA+, GSM/GPRS/EDGE Router
Port type and quantity	2 x LAN ports 10/100BaseTX, RJ45
Type	OWL LTE-S20TTA12121GTDAHHXX.X.XX
Order No.	942 146-001
Radio technology	
Antenna connector	3 x SMA jack antenna connectors
Antenna Configuration	Main + Rx Div + GPS (supports active antennas)
Frequency band	Dual Band GSM/GPRS/EDGE (2G): 900/1800 MHz; Tri Band UMTS/HSPA+ (3G): 900/1800/2100 MHz FDD-Band (8, 3, 1); Penta Band LTE: 800/900/1800/2100/2600 MHz FDD-Band (20, 8, 3, 7, 1)
Transfer Rate (max)	100 Mbps Download, 50 Mbps Upload
SIM-cards	Two SIM card holders, Dual-SIM fail over functionality • Switch SIM on disconnect • Switch SIM on roaming • Switch SIM on remaining data volume
Communication Interfaces	
Ethernet	2 x 10/100BASE-TX ports
USB interface	2.0 USB host
I/O configuration	2 x opto-coupled digital Inputs (max. 60 V DC , max. 7 mA); 1 x opto-coupled digital Output (max. 60 V AC/DC, max. 300 mA)
Serial (RS232, RS422, RS485)	1 x RS232
SD-card slot	1 x MicroSD, SDHC up to 32 GB, SDXC from 32 GB up to 64 GB
GPS	Protocol: NMEA 0183 v3.0; Frequency: 1575.42 MHz; Sensitivity : -161 dBm
Power requirements	
Operating voltage	12 V DC to 48 V DC
Power consumption	6.5 W
Ambient conditions	
Operating temperature	-40 ℃ ... 70 ℃
Storage/transport temperature	-40 ℃ ... 85 ℃
Relative humidity (non-condensing)	max. 95%
Mechanical construction	
Dimensions (W x H x D)	56 x 122 x 97 mm
Mounting	DIN Rail
Weight	390 g
Protection class	IP30
Software	
VPN Tunneling	OpenVPN (Client/Server), IPsec VPN (Client/Server), L2TP (Client/Server), GRE
Security	HTTPs, Firewall (SPI), NAT, X.509
Diagnostics and Configuration	SNMP, DHCP (Client/Server) network status, syslog, DynDNS, NTP (Client/Server), HiDiscovery
Redundancy functions	VRRP, ping monitoring with route failover
Configuration Management	Upload/download configuration, change configuration based on SMS
Scripting	LINUX scripting (Bash, Python)
Customization	User Module (C, C++)
Approvals	
Safety of industrial control equipment	EN 60950-1