

3 Technical information

System	
Processor	ARM CPU (AR9331, 400MHz)
Memory	16 MB Flash/64 MB DDR2 RAM
Wireless	802.11 b/g/n
I/O	1x Binary input (hardware version >=1.4) 1x Relay output
Additional storage SD card (2GB by default)	SD card (2GB by default)
Ethernet 10/100 BaseT RJ45 connector up to 2 independent ports	10/100 BaseT RJ45 connector up to 2 independent ports
Serial ports	1x RS485 1x RS485 / RS232 (switchable)
Time synchronization	NTP client + server, IEC 608705101, IEC 608705104
GSM	2G(GPRS, EDGE) / 4G(LTE) 2G(GPRS, EDGE) / 3G(UMTS, HSDPA, HSUPA) 2G(GPRS, EDGE) / 3G(UMTS, HSDPA, HSUPA) / 4G(LTE) Single OR Dual SIM card modem
Power requirements	
Power supply	12 - 24 VDC
Power consumption	< 6W
Dimensions	101 (H) x 22.5 (W) x 119 (L), mm
Mounting	Wall mount, Din rail
Environmental	
Operating temperature	40°C to +85°C
Warranty	2 year
Humidity	2-95% RH (non-condensing)
Software	
Compatibility with HMI (Human Machine Interface)	Compatible with cloud-based SCADA system -CloudIndustries.eu
Routing	<ul style="list-style-type: none"> • Isolated LAN interface • Isolated LAN interface, but omitted to provide TCP / UDP ports or VPN mergers • Routed LAN internet connection masking data for GSM interfaces • Secure LAN data transfer via VPN • Secure LAN data transmission through VPN access to the Internet • Single OR Dual SIM card modem
Database	<ul style="list-style-type: none"> • File-based database • Data buffering in case of network outage
Data security	<ul style="list-style-type: none"> • All data between WCC Lite and Cloud-based SCADA exchange over a secure encrypted VPN tunnel • Firewall to prevent intrusion and DoS attacks • A VPN solution with a VPN gateway can be used to manage (configure and update) and monitor VPN and WCC devices from a single place

Device maintenance	It is possible to configure and monitor devices and protocols connected to the WCC Lite through Elseta cloud-based SCADA system CloudIndustries.eu or 3rd party SCADAs and see devicebased alarms such as communication errors, etc.
Supported protocols	<ul style="list-style-type: none"> • Modbus master/slave (RTU / ASCII / TCP) • MBus master (Serial / TCP) • IEC 608705 101 master/slave • IEC 608705 103 master • IEC 608705 104 master/slave • IEC 6205631 master • IEC 6205621 (since v1.2.13) • DNP3 master / slave • SMA Net • DLMS (since v1.3.0) • Resol VBus • IEC 61499 (since v1.4.0) • IEC 61850 master/slave (since v1.5.0)
Supported devices	<ul style="list-style-type: none"> • Other Elseta products • Aurora PV inverters • Delta inverters • Kaco PV inverters • SMA PV inverters • Ginlong PV inverters • Solplus PV inverters • Kostal devices • Windlog data logger • Vestas Wind turbines • Elgama elektronika electricity meters
Network features	<ul style="list-style-type: none"> • IPsec • OpenVPN • xl2tp • Firewall • Routing • RADIUS • SNMP • ser2net • API • NTP synchronization
Extra features	<ul style="list-style-type: none"> • Software update • Remote configuration via CloudIndustries.eu administration • Device fault notifications • Internal web page for configuration and diagnostics