

# 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 Base-T RJ45 connector up to 2 independent ports
Serial ports	1x RS485 1x RS485 / RS232 (switchable)
Time synchronization	NTP client + server, IEC 60870-5-101, IEC 60870-5-104
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
Software	
Compatibility with HMI (Human Machine Interface)	Compatible with cloud based SCADA system -CloudIndustries.eu
Routing	<ul style="list-style-type: none"><li>• Isolated LAN interface</li><li>• Isolated LAN interface, but omitted to provide TCP / UDP ports or VPN mergers</li><li>• Routed LAN internet connection masking data for GSM interfaces</li><li>• Secure LAN data transfer via VPN</li><li>• Secure LAN data transmission through VPN access to the Internet</li><li>• Single OR Dual SIM card modem</li></ul>
Database	<ul style="list-style-type: none"><li>• File based database</li><li>• Data buffering in case of network outage</li></ul>
Data security	<ul style="list-style-type: none"><li>• All data between WCC Lite and Cloud based SCADA exchange over secure encrypted VPN tunnel</li><li>• Firewall to prevent intrusion and DoS attacks</li><li>• VPN solution with VPN gateway can be used to manage (configure and update) and monitor VPN and WCC devices from a single place</li></ul>
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"> <li>• Modbus master / slave (RTU / ASCII / TCP)</li> <li>• MBus master (Serial / TCP)</li> <li>• IEC 60870-5-101 master / slave</li> <li>• IEC 60870-5-103 master</li> <li>• IEC 60870-5-104 master / slave</li> <li>• IEC 62056-31 master</li> <li>• IEC 62056-21 (since v1.2.13)</li> <li>• DNP3.0(Serial/LAN/WAN) master / slave</li> <li>• SMA Net</li> <li>• DLMS Cosem (Serial/TCP) (since v1.3.0)</li> <li>• Resol VBus</li> <li>• IEC 61499 (since v1.4.0)</li> <li>• IEC 61850 (v1/v2/v2.1) master / slave (since v1.5.0)</li> </ul>
Supported devices	<ul style="list-style-type: none"> <li>• Other Elseta products</li> <li>• Aurora PV inverters</li> <li>• Delta inverters</li> <li>• Kaco PV inverters</li> <li>• SMA PV inverters</li> <li>• Ginlong PV inverters</li> <li>• Solplus PV inverters</li> <li>• Kostal devices</li> <li>• Windlog data logger</li> <li>• Vestas Wind turbines</li> <li>• Elgama elektronika electricity meters</li> </ul>
Network features	<ul style="list-style-type: none"> <li>• IPsec</li> <li>• OpenVPN</li> <li>• xl2tp</li> <li>• Firewall</li> <li>• Routing</li> <li>• RADIUS</li> <li>• SNMP</li> <li>• ser2net</li> <li>• API</li> <li>• NTP synchronization</li> </ul>
Extra features	<ul style="list-style-type: none"> <li>• Software update</li> <li>• Remote configuration via CloudIndustries.eu administration</li> <li>• Device fault notifications</li> <li>• Internal web page for configuration and diagnostics</li> </ul>

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