

# 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"><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 a secure encrypted VPN tunnel</li><li>• Firewall to prevent intrusion and DoS attacks</li><li>• 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</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 608705 101 master/slave</li> <li>• IEC 608705 103 master</li> <li>• IEC 608705 104 master/slave</li> <li>• IEC 6205631 master</li> <li>• IEC 6205621 (since v1.2.13)</li> <li>• DNP3 master / slave</li> <li>• SMA Net</li> <li>• DLMS (since v1.3.0)</li> <li>• Resol VBus</li> <li>• IEC 61499 (since v1.4.0)</li> <li>• IEC 61850 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>