

3 Technical information

| System | |
|--|--|
| Processor | MIPS 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 (8GB 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 |