



AGX AIOHC 1919-1000ETH (1000 mW UHF Reader/Antenna 10 cm - 8 m read range)

| Product Description | RFO AIOHC 1919-1000ETH | |
|--|---|------------------------|
| <p>The AGX AIO product family combines high performance with field-proven antenna/enclosure technology. The flat panel antenna system meets the growing demand for compact solutions that provide excellent reading results (Indoor and Outdoor).</p> <p>The integrated reader antenna enclosure presents a tailor made RFID UHF solution. The robust enclosure (IP67) has been developed for extrem conditions in all kind of environment (e.g. outdoor offshore, healthcare, extremely dirty environment).</p> <p>The professional mounting kit allows mounting in almost all positions (wall and pole) and provides adjustments of vertical and horizontal directions.</p> <p>The AGX AIO1919-500ETH comes typically with a 500mW Reader. In conjunction with the antenna the read range (depending on tag and environment) can reach up to 3-5m. Simple connection via Ethernet.</p> | | |
| Characteristics (enclosure / antenna) | | |
| Enclosure size | 190 x 190 x 50 mm (max external) 150 x 150 x 38 mm (max internal) | |
| Antenna size | 190 x 190 mm (min) 450 x 450 mm (max) | |
| Mounting | Both wall and polemount | |
| Temperature | -55 ° to +75 °C | |
| Connectors | CAT 5 und N-Type (RJ45 or 9Sub-D) | |
| Humidity | 100% | |
| Water tightness | IEC 529 / IP67 | |
| Power dissipation | 15W max | |
| Housing | Aluminium / white painted | |
| Weight | 550 gr (without antenna) | |
| Characteristics (1000mW UHF Reader) | | |
| Operating Frequency | 902 - 928 MHz (FCC part 15) 865.600 - 867.600 (ETSI EN 302 208) | |
| UHF Standards | EPCglobal Gen 2 (ISO 18000-6C) with DRM, ISO 18000-6B (optional) and IP-X (optional) | |
| Output Power | Programmable up to 1000 mW @ 5 V (30 dBm) | |
| Number of channels | 10 channels (compliant to ETSI EN 302 208) 50 hopping channels (compliant to FCC part 15) | |
| Frequency tolerance | ±10 ppm over the entire temperature range | |
| Read range | Depending on the performance of the transponder, frequency, chip type and the system environment. (10cm - 5m) | |
| Communication interface | TCP/IP over RJ45 and RS232 | |
| Digital I/O | 2 channel input optical coupling, 1 channel output electric relay, 1 channel output optical coupling (in reserve) | |
| Power supply | DC 9V - 12V | |
| Power consumption | 800mA +/-5% @ DC 12V Input | |
| Article No.: | | RFO AIOHC 1919-1000ETH |
| Typical Applications | | |
| Sterilized environment | Food industry | |
| Hospitals | identification and back tracing | |
| bio/chemistry/forensic/pharmacy/environment | beverages logistics | |

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