



**RFO AIO3030-1500ETH**  
**(1500 mW UHF Reader/Antenna)**  
**10 cm - 10 m read range\***  
**1 + 3 antennas**



<b>Product Description</b>	<b>RFO AIO 3030-1500ETH</b>
<p>The AGX AIO 3030-1500ETH reader is an UHF multi protocol reader for long range applications.</p> <p>With programmable output power in 256 steps from 17dBm to 32dBm, the reader can detect tags up to 10m of distance (depending on antenna and tag dimensions).</p> <p>Due to its form factor, the module is specifically designed to be easily installed for UHF tag programming and reading.</p> <p>The integrated reader antenna enclosure presents a tailor made RFID UHF solution. The robust enclosure (IP67) has been developed for extreme conditions in all kinds 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 AIO303-1500ETH comes typically with a 1500mW Reader. In conjunction with the antenna the read range (depending on tag and environment) can reach up to 8-10m*. Simple connection via Ethernet.</p>	
<b>Characteristics (enclosure / antenna)</b>	
Enclosure size	305 x 305 x 70 mm (max extern) 250 x 250 x 38 mm (max intern)
Antenna size	305 x 305 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	20W max
Housing	Aluminium / white painted
Weight	2,2 kg (without antenna)
<b>Characteristics (500mW UHF Reader)</b>	
Operating Frequency	865.6 ÷ 867.6 MHz (ETSI EN 302 208)
UHF Standards	ISO 18000-6B, Philips UCODE EPC 1.19, EPC C1G2
Output Power	SW programmable Max.: 1.5 W (32 dBm) conducted
Number of channels	4 channels compliant to ETSI EN 302 208
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. RadioForce HC1500ETH (50cm - 10m)
Communication interface	TCP/IP over RJ45 (RS232 on request)
Digital I/O	Five I/O lines 3.3 V out, 5 V tolerant (optional) via additional D9-Sub connector
Power supply	15± 5% VDC external power supply
Power consumption	1 A @ 15 V (TX/RX mode), - 260 mA @ 15 V (idle mode)
<b>Article No.:</b>	<b>AGX AIO 3030-1500ETH</b>
<b>Typical Applications</b>	
harsh environment applications	Healthcare / Hospital / Clinic
automotive industry and laboratory	
bio/chemistry/forensic/pharmacy/environment	beverages logistics



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