



**AGX-NID3004 HC  
UHF Reader  
with PC, USB, POE,  
WLAN and 3G**

Product Description	AGX-NID 3016 HC UHF (Multiregion) Reader
<p>The AGX-NID3004 HC is a fixed 16 port reader with a computer inside and multiple connectivity options. The AGX-NID3004 HC provides powerful UHF RFID performance with highly isolated external antenna ports that prevents cross readings. This makes the AGX-NID3004 HC ideal for applications in CSA departments (Trace &amp; Tracking of instruments). The new AGX-NID3004 HC NUR2-1W module inside allows for a reading speed of up to 1000 tags/s. Its integrated computer enables installation and operation of 3rd party applications.</p> <p><b>HIGHLIGHTS</b></p> <ul style="list-style-type: none"> <li>• Smart fixed area reader for automated UHF RFID data collection</li> <li>• Enables real-time visibility of tagged items</li> <li>• Integrated Linux based computer for versatile SW development options</li> <li>• Cutting edge UHF RFID reading sensitivity and reading speed</li> <li>• Versatile communication options</li> </ul>	
<div style="display: flex; justify-content: space-around; align-items: center;"> <div style="text-align: center;"> UHF RFID</div> <div style="text-align: center;"> WLAN</div> <div style="text-align: center;"> Ethernet</div> <div style="text-align: center;"> USB</div> <div style="text-align: center;"> 3G</div> <div style="text-align: center;"> PoE/</div> <div style="text-align: center;"> LED indicators</div> <div style="text-align: center;"> Linux</div> </div>	
Electrical Characteristics	
Frequency	ISO 18000-63 (EPC Class 1 Gen 2) ETSI 865.6–867.6 MHz or FCC/IC 902–928 MHz CE ETSI EN 302 208, CE ETSI EN 301 489, FCC part 15.247 IC RSS-210, Safety IEC 60950-1
Conducted Power	30 dBm (1 W)
CPU	1.2GHz 64-bit Quad-Core Cortex-A53 processor
Memory	1 GB RAM, 4 GB flash
OS	Linux (Debian)
Max receive sensitivity	-81 dBm
Standard compliance	EPC C1 G2/ISO 18000-6C
Typical reading speed	Up to 1000 tags/s
Antenna connector	16 pcs. 50 Ω / SMA Female
Isolation between external antenna ports	27 dBm / typical
USB	USB host, type A, USB device, type B, USB HID class supported
SIM	Mini-SIM
Indicators	4 pcs (programmable) leds
Digital I/O	4 inputs, opto isolated, max. 24V 4 outputs, opto isolated, max. 50mA
Wireless WAN (optional)	3G HSPA (B1, B2, B5, B6, B8 and B19) 2G GPRS / EDGE (850, 900, 1800 and 1900 MHz)
LAN	Ethernet 10/100 Mbit
Wireless LAN (optional)	IEEE 802.11 a/b/g/n, WLAN access point for other AGX readers Dual band WLAN, supports 2.4 GHz and 5 GHz networks
Protection	IP20, for indoor use only
Dimensions	(L) 210 x (W) 121 x (H) 31 mm / (L) 8.3 x (W) 4.8 x (H) 1.2 inch
Electrical Power	12W PoE, 20 W DC Note! WLAN and WAN disabled in PoE use
Operating Temperature	-20 °C to 55 °C (-4 to 130 °F)
Weight	700 g / 24.7 oz
Article no:	<b>AGX -NID 3004 HC</b>
Typical Applications	
Healthcare (Hospitals, Clinics etc.)	Chemical Industry
Pharma Industry	Logistics

Contact:

sales@agilox.com  
www.agilox.com