

# TECHNICAL SPECIFICATION

Industrial router with  
dual Ethernet and WiFi

**AG-205**



## Features

- Dual Ethernet and WiFi
- WiFi Access point feature
- VPN support
- OpenWRT system
- Fully programmable Linux environment
- Wide power supply range up to 48V
- Easy installation
- Compact size aluminium enclosure
- DIN rail mounting

AG-205 is an industrial router with two Ethernet ports and WiFi dedicated to securely connecting devices to the network. With VPN support, it enables secure remote management of PLCs and other industrial devices. The router supports such protocols as Modbus TCP, Bacnet and many others. It runs under the

OpenWRT system and also allows you to write your own scripts.

It has an aluminium enclosure and is mounted on DIN rail. A wide range of supply voltages up to 48V enables a wide range of applications.

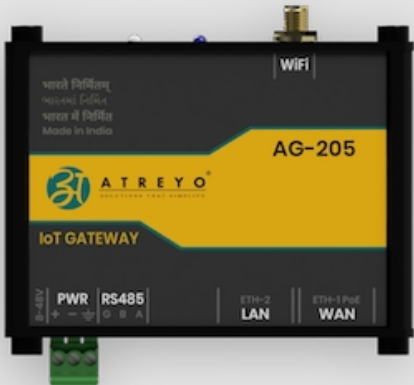
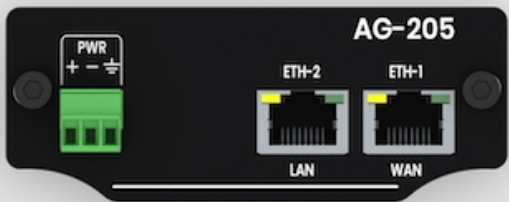
Description	Parameter
<b>Processor</b>	
<b>Type</b>	MIPS24KEc
<b>Clock</b>	580MHz
<b>RAM Memory</b>	
<b>Memory size</b>	128MB DDR2 (optional 256MB)
<b>Memory speed</b>	1066max
<b>Storage</b>	
<b>Internal flash</b>	64MB
<b>Ethernet</b>	
<b>Number</b>	2
<b>Type</b>	10/100M port
<b>Connector</b>	RJ45 with LED indicators
<b>WiFi</b>	
<b>WiFi type</b>	2.4GHz
<b>WiFi standard</b>	IEEE 802.11/a/b/g/n, Access Points
<b>Antenna connector</b>	SMA female

Description	Parameter
<b>System Functions Indicators</b>	
<b>Indicators</b>	ACT – activity
	WiFi
<b>System</b>	
<b>Operating systems</b>	OpenWRT 23.05, Kernel 5.15.71, Atreyo Environment V1.01.07
<b>Booting source</b>	Flash memory
<b>Power Supply</b>	
<b>Power supply</b>	7-48V
<b>Power consumption</b>	1.6W (24V)
<b>Connector</b>	Pluggable screw (+, -, earthing)
<b>PoE</b>	Passive PoE over spare pairs. Not compatible with IEEE802.3af, 802.3at and 802.3bt standards
<b>Protection</b>	Reverse polarity, over Voltage
<b>Physical Characteristics</b>	
<b>Installation</b>	DIN-Rail, clamp

Description	Parameter
Housing	Aluminium
Weight	TBD
Dimensions	88mm x 64mm x 35mm
Environmental Specification	
Operating temp.	-20 ~ 65°C (-4 ~ 149°F)

Description	Parameter
Environmental Specification	
Storage temp.	-40 ~ 85°C (-40 ~ 185°F)
Ambient RH	5% ~ 95% (non-condensing)

Router



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**Atreyo Research  
& Development LLP**

**+91 9727741417  
info@atreyo.in**

414, Sunrise Mall, Mansi Circle,  
Ahmedabad, Gujarat, India