

# Data Sheet

AGRICULTURE

February 2019

**TRIMBLE RESELLER CONFIDENTIAL**

## AG-820 Integrated Radio Data Sheet

Technical		
Power	Via NAV-900 via a 5-pin M12 connector	
Power Consumption	<b>450 MHz radio:</b> 3.6 Watts <b>900 MHz radio:</b> 3.6 Watts	
Mechanical		
Dimensions	121.9 mm (diameter) x 50.8 mm (height) (4.8 in (diameter) x 2 in (height))	
Weight	0.91 kg (2.0 lb)	
Mount	The AG-820 integrated radio is designed to be mounted either: <ul style="list-style-type: none"><li>• Magnetically via the four (4) built-in magnets.</li><li>• Bolt-on after the built-in magnets are removed.</li></ul>	
Housing		
Material	Die-cast aluminum	
Environmental rating	IP55	
Environmental		
Operating Temperature	-30 °C to 65 °C (-22 °F to 149 °F)	
Storage Temperature	-40 °C to 85 °C (-40 °F to 185 °F)	
Operating Humidity	5% to 100% (condensing)	
Altitude	-400 m to 18,000 m (-1312 ft to 59,055 ft)	
Connections		
Radio (NMO connector)	Radio whip antenna	
Radio Options	450 MHz radio	900 MHz radio
Range	13 km (8 miles); varies with terrain and operating conditions	13 km (8 miles); varies with terrain and operating conditions
Frequency Band	403 MHz to 470 MHz	902 MHz to 928 MHz
Networks	20 user-selectable networks	40 user-selectable networks
Wireless Data Rates	128 Kbps	128 Kbps
Modes	Rover (receive only)	Rover (receive only)

<http://agpartners.trimble.com>

[www.trimble.com](http://www.trimble.com)

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- Need to Review: read and comment (if necessary). Approvals are not required to send to CNH and post on Partners

<b>Approvers (required)</b> <i>(mark an 'x' in the column to the right)</i>		Additional Comments	<b>Need to Review (approval not needed)</b> <i>(mark an 'x' in the column to the right)</i>	Additional Comments
Josh Shuler	X			