Datasheet

Nest Wi-Fi blankets your whole home in reliable Wi-Fi coverage. Automatic updates help your network stay safe and sound. One Wi-Fi router with one Wi-Fi point is strong enough to handle up to 200 connected devices and stream multiple 4K videos at a time. And your Nest Wi-Fi point has a speaker with the Google Assistant for extra help around the house.

	Wi-Fi Router	**Wi-Fi point**
Whole-home coverage	Covers a 1–2-bedroom home	Additional coverage for 1-2 rooms
	Expandable 802.11s mesh Wi-Fi • Scalable and flexible system – add additional router and points to fit homes of any size • Supports both star and daisy chain configurations	
Automatic Wi-Fi optimisation	• Automatic 802.11.k/v client roaming • Proactive band steering – directs your devices to channels with the best performance • Self-healing network • Transmit beamforming	
Smart home connectivity	• IEEE 802.15.4 Thread (2.4 GHz) - functionality not yet available • Bluetooth Low Energy (BLE)	
Performance	• Router and point can each handle up to 100 connected devices • Multiple simultaneous 4K video streams	
Security built in	• WPA3 encryption • Automatic security updates • Trusted Platform Module	• WPA3 encryption • Automatic security updates

	Wi-Fi Router	Wi-Fi point

Wi-Fi standard	• AC2200 MU-MIMO Wi-Fi
	  • 4x4 (5 GHz)
	  • 2x2 (2.4 GHz)
		• Automatic 802.11.k/v client roaming
		  • 2x2 (2.4 GHz/5 GHz)

	• Simultaneous dual-band (2.4 GHz/5 GHz) Wi-Fi supporting IEEE 802.11a/b/g/n/ac	
Speaker and microphones	N/A	• 360-degree sound with 40mm driver • Bluetooth 4.2 • Far-field microphones for the Google Assistant
Sensors	N/A	• Capacitive touch controls
Processor	• Quad-core 64-bit ARM CPU 1.4 GHz • High-performance ML hardware engine	
Memory	• 1 GB RAM • 4 GB Flash	• 768 MB RAM • 512 MB Flash
Ports and connectors	• Dual Gigabit Ethernet ports • Barrel jack power	• Barrel jack power
Power	15 W power adapter	
Dimensions and weight	• Diameter: 110mm • Height: 90.4mm • Weight: 380g	• Diameter: 102.2mm • Height: 87.2mm • Weight: 350g
Compatibility	Nest Wi-Fi router and points are also compatible with previous generation Google Wi-Fi devices	