SUPERIOR CONNECTIVITY, SMALL SIZE

Stay connected—from virtually anywhere—with the Snapdragon® W5+ and Snapdragon W5 Gen 2 Wearable Platforms, the world's first platforms to support NB-NTN emergency satellite messaging.
With improved GPS accuracy, these platforms are built for peace of mind, delivering enhanced performance and superior experiences in smaller, more efficient designs.

Premier satellite connectivity

The world's first platforms to support Narrowband Non-Terrestrial Network (NB-NTN) connections allowing users to transmit and receive SOS messages via satellite when out of cellular and Wi-Fi areas.

- Stay connected for emergency communication when you need it most—even without cellular or Wi-Fi.
- Have peace of mind knowing you can communicate in areas with limited terrestrial service.

Next-level optimization

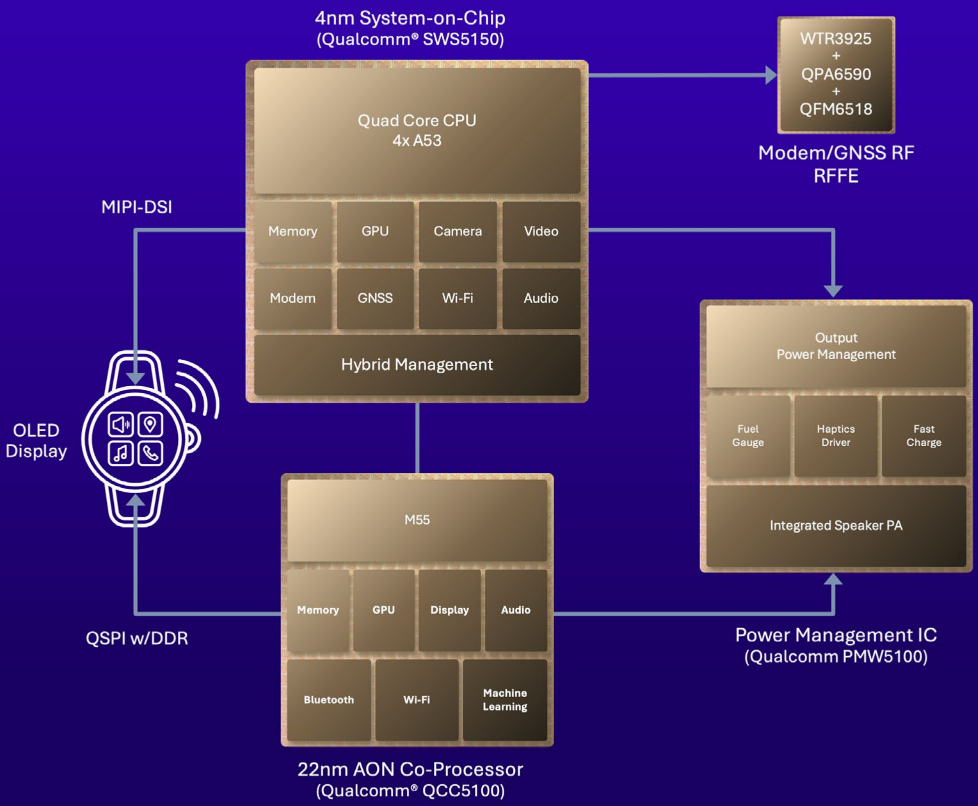
Built around a 4nm System-on-a-Chip (SoC) architecture, an optimized RF Front End (RFFE) delivers faster performance and longer battery life than ever before.

- Reduction of ~20% in size and lower power consumption, for wearable designs.
- Enables smaller, more lightweight, and more efficient device form factors.
- Compatible with Google's most recent version of Wear OS.
- Integrated Bluetooth® 5.3 connectivity provides enhanced multidevice experiences.

Stay on-track, virtually anywhere

New Location Machine Learning 3.0 boosts positioning accuracy for better tracking and navigation for users in real-time—no matter their environment.

- Up to 50% improved GPS accuracy—even in densely urban or deep canyon areas.
- Heightened reliability of location-based services and applications.
- Advanced continuous positioning accuracy by estimating and mitigating multipath.



SPECS & FEATURES

PROCESSING

	Snapdragon W5+ Gen 2	Snapdragon W5 Gen 2
Process Node (main AP)	4nm	4nm
Process Node (Co-Processor)	22nm	–
Low Power Islands	Audio, Wi-Fi, GNSS	Audio, Wi-Fi, GNSS
Low Power States	RBSC, TWM, Deep Sleep, Hibernate	RBSC, TWM, Deep Sleep, Hibernate
Modem	Best-in-class LTE standby, VoLTE	Best-in-class LTE standby, VoLTE

PERFORMANCE

	Snapdragon W5+ Gen 2	Snapdragon W5 Gen 2
CPU	4x A53 + 1x M55 250MHz	4x A53
GPU	A702 1GHz + 2.5D GPU	A702 1GHz
Memory	LPDDR4 2133MHz	LPDDR4 2133MHz
Machine Learning	U55	–

FEATURES

	Snapdragon W5+ Gen 2	Snapdragon W5 Gen 2
Offload use cases	Display, sensors, notifications, audio	–
Satellite	NB-NTN	NB-NTN
Modem / RFFE	Rel 17* w/ Cat 1bis, E911 w z-axis	Rel 17* w/ Cat 1bis, E911 w z-axis
RFFE Size	$48mm^2$ (▼30%)	$48mm^2$ (▼30%)
GNSS	L1+L5, Location ML 3.0	L1+L5, Location ML 3.0
Camera	Dual ISP, EIS3.0	Dual ISP, EIS3.0
Bluetooth® Wireless	Bluetooth 5.3, QHS	Bluetooth 5.3, QHS

87-92386-1 Rev A