

-  **EXTRA-LONG BATTERY LIFE**
-  **DURABLE KEYBOARD MECHANICS**
-  **EXTRA-LOUD SPEAKERS**
-  **PROTECTION FROM DUST AND MICRO PARTICLES**
-  **PROTECTION FROM WATER**
-  **PROTECTION FROM DROPS**
-  **PROTECTION FROM SHOCK AND VIBRATIONS**
-  **PROTECTION FROM EXTREME TEMPERATURES**
-  **RESISTANT TO EXTREME PRESSURE/CRUSH**
-  **RESISTANT TO PUNCTURES**
-  **RESISTANT TO PETROLEUM OIL**
-  **3-YEAR UNCONDITIONAL GUARANTEE**



EXTRA-LONG BATTERY LIFE

Rugged means no access to power

Threshold: 5 hours of talk time or 270 hours of standby

Sonim's Performance: Up to 18 hours of talk time or 1500 hours of standby



DURABLE KEYBOARD MECHANICS

Rugged environments require rugged mechanics

Threshold: Keypad tested at 250,000 pushes

Sonim's Performance: Oversized keypad and widely spaced keys tested at 500,000 pushes



EXTRA-LOUD SPEAKERS

Rugged is noisy

Threshold: 100 dB (the noise-level equivalent to a snowmobile)

Sonim's Performance: Custom-built speakers capable of producing 110 dB



PROTECTION FROM DUST AND MICRO PARTICLES

Rugged is dirty

Threshold: Operational after being placed in chamber with exposure to 2kg/m³ of talcum powder for 2 hours (Rated IP-5x)

Sonim's Performance: Operational after being placed in chamber with exposure to 2kg/m³ of talcum powder for 2 hours (Rated IP-6x)



PROTECTION FROM WATER

Rugged is wet

Threshold: Operational after exposure to water splashes (at a rate of 7L/min) from all directions (rated IP-x4) for 45 minutes

Sonim's Performance: Operational after submersion in up to 1 meter of water for 30 minutes – IP-x7



PROTECTION FROM DROPS

Rugged means phones do get dropped

Threshold: Drop from 1.2 meters to concrete from any angle

Sonim's Performance: Operational after 2.0 meter drop to concrete from any angle



PROTECTION FROM SHOCK AND VIBRATIONS

Rugged is operating a jackhammer

Threshold: Operational after exposure to 4G random vibrations in each direction for 30 minutes per direction in the 5-200Hz range

Sonim's Performance: Operational after exposure to 4G random vibrations in each direction for 30 minutes per direction in the 5-200Hz range



PROTECTION FROM EXTREME TEMPERATURES

Rugged takes you to the harshest climates

Threshold: Operational in Temperatures ranging from -20C to +55C

Sonim's Performance: Operational in Temperatures ranging from -20C to +55C



RESISTANT TO EXTREME PRESSURE/CRUSH

Rugged means accidents happen

Threshold: Operational after exposure to 600kg of pressure

Sonim's Performance: Operational after exposure to 1000kg of pressure



RESISTANT TO PUNCTURES

Rugged doesn't necessarily mean bulletproof (but it's close)

Threshold: Operational after being subjected to 75 kg/cm² of pressure

Sonim's Performance: Operational after being subjected to 500 kg/mm² of pressure



RESISTANT TO PETROLEUM OIL

Rugged is greasy

Threshold: Impervious to petroleum oil

Sonim's Performance: Impervious to petroleum oil



3-YEAR UNCONDITIONAL GUARANTEE

Rugged means reliability

Threshold: One year unconditional guarantee for hardware and software

Sonim's Performance: Three year unconditional guarantee