According to the Centers for Disease Control:

Cleaning works by using soap (or detergent) and water to physically remove germs from surfaces. This process does not necessarily kill germs, but by removing them, it lowers their numbers and the risk of spreading infection.

Disinfecting works by using chemicals to kill germs on surfaces or objects. This process does not necessarily clean dirty surfaces or remove germs, but by killing germs on a surface after cleaning, it can further lower the risk of spreading infection.

**INTRUSION PROTECTION**
A 6_ rating, the highest, means a device is totally dust tight.

**MOISTURE PROTECTION**
A _9 rating, the highest, means a device is protected against high pressure, high temperature jet sprays.

Having the highest Ingress Protection rating allows us to make a more rugged smartphone.

Applying chemical agents, such as isopropyl alcohol, bleach/water mix, dishwasher detergent, Benzalkonium Chloride, glass cleaner, acetone, gasoline, etc., directly to the Sonim device.

All Sonim devices undergo a rigorous, four-step chemical-resistance test that includes:

- The chemical is allowed to sit on the device for up to 24 hours.
- The device is put in an oven set at 50˚C for two hours.
- The device is inspected for any improper operation (power on, make a call, etc.) as well as for any cracking, fading or damage to any parts.

Sonim devices are as indestructible as they are invaluable.

Innovative, ultra-rugged mobile devices when sanitization is critical, Sonim sets the bar for rugged devices, equipping your team with ultra-reliable communication tools that serve their job, health and safety every step of the way.

Military-rated design and industry-leading Rugged Performance Standards (RPS) ensures reliable communication even in the most hazardous conditions.

Stand up to COVID-19 with a smartphone that stands up to aggressive cleaning and disinfecting.

Nearly 99 percent of hospital staff smartphones were contaminated with potential pathogens.*

Many “hospital-grade” devices have instructions that state, “never spray or pour chemical agents directly onto the device” or “do not let liquid pool on the device.”

Sonim devices are as indestructible as they are invaluable.

At Sonim, we create solutions that support the essential industries helping our communities through COVID-19. To better understand how Sonim’s chemical-resistance can help you and your team stay safe and healthy on the job, we created this guide to cleaning and disinfecting your Sonim device.

A Sonim smartphone is able to be disinfected in ways that other phones are not.

**Method**

<table>
<thead>
<tr>
<th>Sonim</th>
<th>Other Phones</th>
</tr>
</thead>
<tbody>
<tr>
<td>Aggressively scrub and wipe-down</td>
<td>✗</td>
</tr>
<tr>
<td>Safely submerge in chemical cleaning agents up to 30 minutes</td>
<td>✗</td>
</tr>
<tr>
<td>Use aerosol sprays, bleaches and other abrasive cleaners as needed</td>
<td>✗</td>
</tr>
<tr>
<td>Safe to spray directly on the device</td>
<td>✗</td>
</tr>
</tbody>
</table>

**Note**

- 1. 2. 3. 4.

- An increasing number of consumer smartphones have evolved their IP rating to IP68, which means they can be submerged in water, but it does not necessarily mean they can be submerged in a disinfectant like a Sonim smartphone can.

- A smartphone with IP68 AND IP69K means the Sonim XP8 has the highest moisture protection, enabling the aggressive cleaning and disinfecting possible with our device and not other so-called “rugged” devices.

**Footnotes**

**An increasing number of consumer smartphones have evolved their IP rating to IP68, which means they can be submerged in water, but it does not necessarily mean they can be submerged in a disinfectant like a Sonim smartphone can.**

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