

## G6 VS G7 SPECIFICATION COMPARISON

This document highlights the differences between Blackline Safety's G6 and G7c/G7x products. For additional support please contact [Customer Care](#) or your Client Success Manager.

	G6	G7c G7x Multi-Gas	G7c G7x Single Gas
<b>Ideal Customer</b>			
Buyer	Safety-first buyer Compliance focused buyer	Enhanced safety-first buyer Productivity and enhanced Safety buyer	Enhanced safety-first buyer Productivity and enhanced Safety buyer
Key Markets	<ul style="list-style-type: none"> <li>Downstream Oil &amp; Gas</li> <li>Manufacturing</li> <li>Petrochemical</li> <li>Utilities</li> <li>Renewables</li> <li>First responders</li> </ul>	<ul style="list-style-type: none"> <li>Oil &amp; Gas</li> <li>Fire &amp; Hazmat</li> <li>Manufacturing</li> <li>Petrochemical</li> <li>Renewables</li> <li>Mining</li> <li>Agriculture</li> <li>Steel Manufacturing</li> <li>Water and Wastewater</li> <li>Rail Transportation</li> <li>Biotech and Pharma Manufacturing</li> <li>Pulp, Paper, and Wood Products Manufacturing</li> </ul>	<ul style="list-style-type: none"> <li>Oil &amp; Gas</li> <li>Fire &amp; Hazmat</li> <li>Manufacturing</li> <li>Petrochemical</li> <li>Renewables</li> <li>Mining</li> <li>Agriculture</li> <li>Steel Manufacturing</li> <li>Water and Wastewater</li> <li>Rail Transportation</li> <li>Biotech and Pharma Manufacturing</li> <li>Pulp, Paper, and Wood Products Manufacturing</li> </ul>
<b>Sensors &amp; Gases</b>			
Gas monitoring	Single gas	Multi-gas, or multi-gas pump	Single-gas
Sensors available	1	Up to 4 (up to 5 gases with COSH sensor)	1 (up to 2 gases with COSH sensor)
Gases	CO, H <sub>2</sub> S, O <sub>2</sub> , SO <sub>2</sub>	<a href="#">18 sensors available</a>	<a href="#">18 sensors available</a>
Exotic Gases	No	Yes	Yes
Removeable gas cartridges	No	Yes	Yes
Serviceable Sensor	Yes	Yes	Yes

	<b>G6</b>	<b>G7c G7x Multi-Gas</b>	<b>G7c G7x Single Gas</b>
Pump Option	No	Yes	No
Calibration	Yes As per the organization's recommended practice	Yes	Yes
<b>Direct-to-Cloud-Connectivity</b>			
Connectivity	Cellular – LTE-M and NB IoT	Cellular LTE (G7c) or Cellular + Satellite (G7x)	Cellular LTE (G7c) or Cellular + Satellite (G7x)
Satellite Connectivity	No	Yes (G7x)	Yes (G7x)
Wi-Fi Connectivity	No	No	No
Cloud synchronization	Every 24 hours, when docked, or on high gas event  Daily upload includes device location, gas alerts- high or low, both bump and calibration information, and any event details.	By Default: Every 5 minutes Optional: (Every 30s, 1m, 2m, 5m, 10m or 30m interval)  Upload includes device location, gas reading and other device info (connection strength, speed etc.)	By Default: Every 5 minutes Optional: (Every 30s, 1m, 2m, 5m, 10m or 30m interval)  Upload includes device location, gas reading and other device info (connection strength, speed etc.)
<b>Power &amp; Battery</b>			
Battery life	Up to 1-year (normal usage)	18 hours (normal usage)	18 hours (normal usage)
Rechargeable Battery	Yes (4-hour charge time)	Yes (4-hour charge time)	Yes (4-hour charge time)
Serviceable Battery	Yes	Yes	Yes
<b>Location &amp; Safety Technology</b>			
	<b>GPS</b>	<b>GPS + Indoor Location Beacon</b>	<b>GPS + Indoor Location Beacon</b>
Integrated GPS	Yes	Yes	Yes
Find my G6	Yes	No	No
Locate Device	Yes	Yes	Yes
Real time capability	No	Yes	Yes
Indoor location technology	No	Yes	Yes

	<b>G6</b>	<b>G7c G7x Multi-Gas</b>	<b>G7c G7x Single Gas</b>
Location update frequency	During high urgency events and once per day	Instantly during an alert + every device sync (5 minutes by default)	Instantly during an alert + every device sync (5 minutes by default)
SOS Alarm	No	Yes	Yes
Daily Compliance Reporting	Yes	Yes	Yes
Over-the-air updates	Yes	Yes	Yes
Display Screen	Color LCD	Monochrome	Monochrome
STEL	Yes	Yes	Yes
Fall Detection	No	Yes	Yes
No-motion Detection	No	Yes	Yes
Evacuation Management	No	No (on roadmap)	No (on roadmap)
TWA	No	Yes	Yes
SOC Monitoring	No	Yes (Separate service plan required)	Yes (Separate service plan required)
Lone Worker Monitoring	No	Yes	Yes
<b>Communication</b>			
Two-way voice	No	Yes	Yes
Two-way text	No	Yes	Yes
Push-to-talk	No	Yes	Yes
Check-in	No	Yes	Yes

	G6	G7c G7x Multi-Gas	G7c G7x Single Gas
Notifications	Yes <ul style="list-style-type: none"> <li>High gas notification</li> <li>Low gas notification</li> <li>Over limit notification</li> <li>STEL notification</li> <li>Bump test and calibration notification</li> <li>Bump test and calibration failure notification</li> </ul>	Yes <ul style="list-style-type: none"> <li>High gas alert</li> <li>Low gas alert</li> <li>STEL notification</li> <li>Bump test and calibration notification</li> <li>Bump test and calibration failure</li> <li>Under limit</li> <li>Over limit</li> <li>Time-weighted average (TWA)</li> <li>Sensor Failure</li> <li>Startup Failure (Sound, vibration, lights)</li> <li>Cartridge Failure</li> </ul>	Yes <ul style="list-style-type: none"> <li>High gas alert</li> <li>Low gas alert</li> <li>STEL notification</li> <li>Bump test and calibration notification</li> <li>Bump test and calibration failure</li> <li>Under limit</li> <li>Over limit</li> <li>Time-weighted average (TWA)</li> <li>Sensor Failure</li> <li>Startup Failure (Sound, vibration, lights)</li> <li>Cartridge Failure</li> </ul>
Alert Management	No	Yes, with plan	Yes, with plan
<b>Software &amp; Reporting</b>			
Blackline Live web application	<ul style="list-style-type: none"> <li>Daily synchronization with Blackline Live every 24 hours.</li> <li>Blackline Live gets updates when the G6 device goes into high gas alarm</li> <li>Text/Email notifications</li> <li>Configuration profiles to customize device functionality</li> </ul>	<ul style="list-style-type: none"> <li>Alert Management System</li> <li>Live Dashboard for fleet health</li> <li>Voice + Text communication abilities</li> <li>Live Map</li> <li>Real-time Alerts</li> </ul>	<ul style="list-style-type: none"> <li>Alert Management System</li> <li>Live Dashboard for fleet health</li> <li>Voice + Text communication abilities</li> <li>Live Map</li> <li>Real-time Alerts</li> </ul>

	G6	G7c G7x Multi-Gas	G7c G7x Single Gas
Blackline Analytics Reporting*	<p>G6 Reports include:</p> <ul style="list-style-type: none"> <li>• Usage and compliance</li> <li>• Bump tests and calibrations</li> <li>• Devices and cartridges</li> <li>• Docks</li> <li>• Device assignment history</li> <li>• Alerts- emailed weekly or monthly</li> </ul>	<p>G7 Reports include:</p> <ul style="list-style-type: none"> <li>• Events</li> <li>• Events map</li> <li>• Alerts - emailed</li> <li>• Gas Exposures</li> <li>• LEL-MPS readings</li> <li>• Close contact</li> <li>• Usage and compliance - emailed</li> <li>• Bump tests and calibrations</li> <li>• Devices and cartridges</li> <li>• Locations beacons</li> <li>• Docks</li> <li>• Device logs</li> <li>• Device assignment history</li> <li>• Worker Safety Analytics</li> </ul>	<p>G7 Reports include:</p> <ul style="list-style-type: none"> <li>• Events</li> <li>• Events map</li> <li>• Alerts - emailed</li> <li>• Gas Exposures</li> <li>• LEL-MPS readings</li> <li>• Close contact</li> <li>• Usage and compliance - emailed</li> <li>• Bump tests and calibrations</li> <li>• Devices and cartridges</li> <li>• Locations beacons</li> <li>• Docks</li> <li>• Device logs</li> <li>• Device assignment history</li> </ul> <p>Worker Safety Analytics</p>
Wireless updates- OTA Configurations	Yes, both firmware and configuration	Yes, both firmware and configuration	Yes, both firmware and configuration
Service plans	<p>System access includes:</p> <ul style="list-style-type: none"> <li>• Bump test</li> <li>• Calibration compliance</li> <li>• Device/dock management</li> <li>• Emailed report, alerts, available on demand, weekly, or monthly.</li> </ul>	<ul style="list-style-type: none"> <li>• System access</li> <li>• Protect</li> <li>• Respond</li> <li>• + Voice/PTT add-ons</li> </ul>	<ul style="list-style-type: none"> <li>• System access</li> <li>• Protect</li> <li>• Respond</li> <li>• + Voice/PTT add-ons</li> </ul>
Event Logging	Yes	Yes	Yes
<b>Buying &amp; Warranty</b>			
Buying Options	Lease Combination	Purchase Blend Lease Rental	Purchase Blend Lease Rental
Warranty	4-year limited warranty	2 years or length of lease/blend term Extended warranties available	2 years or length of lease/blend term Extended warranties available

	G6	G7c G7x Multi-Gas	G7c G7x Single Gas
<b>Other</b>			
IP Rating	Designed to meet IP67	Designed to meet IP67	Designed to meet IP67
Weight	146g (5.2oz)	G7 Multi-gas diffusion cartridge 192 g (6.8 oz) G7 Multi-gas pumped cartridge 238 g (8.4 oz)	G7 Single cartridge 167g (5.9oz)
Size	71mm x 110mm x 37mm (2.8" x 4.3" x 1.5")	G7 with multi-gas diffusion cartridge 66 mm x 150 mm x 29 mm (2.52" x 5.91" x 1.06") G7 with multi-gas pumped cartridge 66 mm x 151 mm x 38.5 mm (2.6" x 5.95" x 1.52")	G7 with single gas cartridge 64mm x 128mm x 29mm (2.52" x 5.04" x 1.06")
Dock	<ul style="list-style-type: none"> <li>Charge, bump, calibrate</li> <li>G6 docks will be single gas only.</li> </ul>	<ul style="list-style-type: none"> <li>Charge, bump, calibrate</li> <li>Can configure the gas types on Blackline Live for each inlet.</li> <li>Default configuration is a multi-gas mixture but also supports single-gas setups.</li> <li>G7 Dock has five ports, four gas inlets and one outlet for exhausting calibration gas.</li> </ul>	<ul style="list-style-type: none"> <li>Charge, bump, calibrate</li> <li>Can configure the gas types on Blackline Live for each inlet.</li> <li>Default configuration is a multi-gas mixture but also supports single-gas setups.</li> <li>G7 Dock has five ports, four gas inlets and one outlet for exhausting calibration gas.</li> </ul>

**Blackline Analytics**

\*To continually improve our services, Blackline Safety may make changes to reports, including adding, removing, and replacing reports, as needed to best serve our customers. For information or questions about the suite of analytics, please contact your Client Success Manager.