




What are the differences between the MiniMed® 670G, 770G and 780G?

Three versions of the Medtronic MiniMed® HCL system are available in different regions of the world.

- **770G** has Bluetooth® capabilities (not part of **670G**) that allow for: communications with a smartphone app; continuous data upload to Carelink; and remote software upgrades
- **780G** includes all the features of the 770G; new hybrid closed-loop algorithm; and in some regions, an updated sensor (Guardian Sensor 4)

Here is a handy guide, using our **C|A|R|E|S Framework**, to understand the differences between devices:

	MiniMed® 670G	MiniMed® 770G	MiniMed® 780G
C A R E S.*	  		
	In Auto Mode,		
CALCULATE	The hybrid closed-loop algorithm target is set at...	120 mg/dL	120 mg/dL -or- 100 mg/dL
	When correction doses are given, it will correct glucose levels down to...	150 mg/dL	120 mg/dL
	Will the system give automatic correction doses?	No	Yes
	Will sensor glucose be automatically populated into the bolus calculator?	No	Yes
ADJUST	Can the user adjust the hybrid closed-loop algorithm target?	No	Yes
REVERT	When will the system automatically revert to Manual Mode?	<ul style="list-style-type: none"> • Max delivery (3 - 4 hrs) • Min delivery (90 min - 2.5 hrs) • Sensor glucose > 250 mg/dL for 3 hrs • Sensor glucose > 300 mg/dL for 1 hr 	<ul style="list-style-type: none"> • Max delivery (7 hrs) • Min delivery (3 - 6 hrs)
EDUCATE	Will use of the Temp Target turn off the automatic correction dose feature?	N/A (no auto-correction feature)	Yes
SENSOR	Is the system approved to use sensor glucose values for diabetes management decisions?	No	Yes
	Does the system need user calibrations?	Guardian Sensor 3: Yes, 3-4/day	Guardian Sensor 3: Yes, 3-4/day Guardian Sensor 4: No
	How long is the sensor approved to be worn?	7 days (but new sensors lasting > 7 days in development)	
SHARE	Does the system communicate by Bluetooth to a cellular phone?	No	Yes
	Does the system have sharing/ remote monitoring capabilities?	No	Yes
	Can the system software be upgraded if new versions of the system become available?	No	Yes

* Messer, LH et al. <https://doi.org/10.1089/dia.2019.0105>