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Federal Communications Commission
 Office of Engineering and Technology
 Equipment Authorization Division
 7435 Oakland Mills Road
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Subject: Spec difference of CTL-470, CTH-470 and CTH-670 of FCC ID: HV4CTH670

To whom it may concern:

This is to confirm that the spec differences of the subject family models are as follows:

Product Specifications

General Specifications	CTH-470	CTH-670	CTL-470
Aspect ratio	16:10	16:10	16:10
Coordinate resolution, pen	100 lpmm(2540 lpi)	100 lpmm(2540 lpi)	100 lpmm(2540 lpi)
Coordinate resolution,	10 lpmm(254 lpi)	10 lpmm(254 lpi)	--
Accuracy, pen	+/-0.5mm(0.02 in)	+/-0.5mm(0.02 in)	+/-0.5mm(0.02 in)
Accuracy, Touch	+/-1mm(0.04 in)	+/-1mm(0.04 in)	--
Pen detection height	16mm(0.63in)	16mm(0.63in)	--
Reading Height	7mm(0.28 in)	7mm(0.28 in)	7mm(0.28 in)
Maximum report rate (pen)	133 points per second	133 points per second	133 points per second
Maximum report rate	100 frame / sec (until 5 fingers)	100 frame / sec (until 5 fingers)	--
ExpressKeys stroke	0.25mm(0.01 in), approximately	0.25mm(0.01 in), approximately	0.25mm(0.01 in), approximately
Communication interface	USB	USB	USB
Connector	USB Type A (PC side), USB Micro B(Tablet side) 14 pin connector for Wireless module (exclude CTI -470)	USB Type A (PC side), USB Micro B(Tablet side) 14 pin connector for Wireless module (exclude CTI -470)	USB Type A (PC side), USB Micro B(Tablet side)
Cable length	1.0m(3.3ft)	1.0m(3.3ft)	1.0m(3.3ft)
Power requirements	DC 5V, without wireless module: less than 105mA, from USB port, with wireless module: less than 500 mA, from USB port (Charging)	DC 5V, without wireless module: less than 130mA, from USB port, with wireless module: less than 500 mA, from USB port (Charging)	DC 5V, less than 36mA from USB port
Operating temperature	5 to 40 degrees C(41 to 104 degrees F)	5 to 40 degrees C(41 to 104 degrees F)	5 to 40 degrees C(41 to 104 degrees F)
Storage temperature	-20 to +60 degrees C(-4 to 140 degrees F)	-20 to +60 degrees C(-4 to 140 degrees F)	-20 to +60 degrees C(-4 to 140 degrees F)
Operating relative humidity	30% to 80% non-condensing	30% to 80% non-condensing	30% to 80% non-condensing
Storage relative humidity	30% to 90% non-condensing	30% to 90% non-condensing	30% to 90% non-condensing
Technology	Electro-magnetic resonance technology,	Electro-magnetic resonance technology,	Electro-magnetic resonance technology,
Pen Active Area(W * D)	147.2 x 92.0mm (5.8 * 3.6 in)	216.4 x 137.0mm (8.5 x 5.4 in)	147.2 x 92.0mm (5.8 * 3.6 in)
Touch Active Area(W*D)	147.2 x 92.0mm (5.8 * 3.6 in)	216.4 x 137.0mm (8.5 x 5.4 in)	
Physical size(W * D * H)	278x176x9.8[mm](10.9 * 6.9 * 0.4 in), approximately (without tag and rubber foot)	351.75x209x9.8[mm](13.8 x 8.2 x 0.4 in), approximately (without tag and rubber foot)	278x176x9.8[mm](10.9 * 6.9 * 0.4 in), approximately (without tag and rubber foot)
Weight	420g (TBD lb), approximately	640g (TBD lb), approximately	390g, approximately

*Note: The RF portion and PCB layout are identical between these models.

Sincerely yours,

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