






Model	FRT610	A400	A600	A700	FRO900
General					
Picture					
Hardware					
Sensor	Capacitive	Capacitive	Optical	Optical	Optical
Platen Size	11.4*15.3 mm	15.4*19.7 mm	16.0*21.0 mm	21.0*27.0 mm	81.0*86.0 mm
Sensing Area	10.4*14.4 mm	12.80*18.0 mm	15.24*20.32 mm	20.32*25.40 mm	Press: 81.2*76.2 mm Roll: 40.6*40.6 mm
Interface	USB1.1/2.0	USB1.1/2.0	USB1.1/2.0	USB 2.0	USB 2.0 (Data & Power supply)
Supply Voltage	5V (USB power supply)	5V (USB power supply)	5V (USB power supply)	5V	5V
Current Consumption	≤50mA	≤50mA	≤200mA	≤150mA	≤500mA
ESD	Contact: ± 6KV Air: ± 8KV	Contact: ± 6KV Air: ± 8KV	Contact: ± 8KV Air: ± 15KV	Contact: ± 8KV Air: ± 15KV	Contact: ± 4KV Air: ± 8KV
Dimension	100*50*15mm (L*W*H)	100*50*15mm (L*W*H)	98.9*61.5*35.7mm (L*W*H)	100*56*39.5mm(L*W*H)	148*152*115mm (L*W*H)
Weight	97g	98g	115.3g	200g	1.5kg
Biometrics					
Fingerprint Image	Image Size: 256*288 pixels Resolution: 508 dpi	Image Size: 256*360 pixels Resolution: 508 dpi	Image Size: 300*400 pixels Resolution: 500 dpi	Image Size: 400*500 pixels Resolution: 500 dpi	4-4-2 Flat Image Size: 1600*1500 pixels Roll Image Size: 800 x 800 pixels Resolution: 500 dpi
Image Gray Scale	256 level	256 level	256 level	256 level	256 level
Image Format	RAW, BMP, WSQ	RAW, BMP, WSQ	RAW, BMP, WSQ	RAW, BMP, WSQ	BMP, WSQ, JPEG
Template Type	Bione, ISO19794-2, ANSI-378	Bione, ISO19794-2, ANSI-378	Bione, ISO19794-2, ANSI-378	Bione, ISO19794-2, ANSI-378	ANSI/NIST-ITL 1-2007/2011
Fingerprint Image Distortion	<1%	<1%	≤1%	≤1%	≤1%
Enrollment Time	<3s	<3s	<3s	<3s	<3s
Matching Time	<0.1s (1:1) , <0.5s (1:N, 100)	<0.1s (1:1) , <0.5s (1:N ,100)	<0.1s (1:1) , <0.5s (1:N ,100)	<0.1s (1:1) , <0.5s (1:N ,100)	<0.1s (1:1) , <0.5s (1:N ,100)
Matching Mode	1:1/1:N	1:1/1:N	1:1/1:N	1:1/1:N	1:1/1:N
FAR	<0.0001%	<0.0001%	<0.0001%	<0.0001%	<0.0001%
FRR	<1%	<1%	<1%	<1%	<1%
Environment					
Operating Temperature	0°C~55°C	0°C~55°C	0°C~55°C	-10°C ~55°C	0°C~50°C
Storage Temperature	-40°C~60°C	-40°C~60°C	-40°C~60°C	-40°C~60°C	-20°C~60°C -40°C~60°C
Operating Humidity	20~90% R.H	20~93% R.H	10~93% R.H	10~93% R.H	10~90% (Non-condensing)
Storage Humidity	17~96% R.H	17~96% R.H	17~96% R.H	17~96% R.H	10-90% R.H
Work Air Pressure	86kPa~106kPa	86kPa~106kPa	86kPa~106kPa	86kPa~106kPa	/
Supported Operating Systems	Windows XP/7/8/10,Android,Linux	Windows XP/7/8/10,Android,Linux	Windows XP/7/8/10,Android,Linux	Windows XP/7/8/10,Android,Linux	Windows, Linux, Android
Certification					
Certification	/	FCC, CE, RoHS, FBI (PIV, Mobile ID FAP 10), STQC	FCC, CE, RoHS, FBI (PIV, Mobile ID FAP 20), STQC	FCC, CE, RoHS, FBI (PIV, Mobile ID FAP 30)	FCC, CE, RoHS, FBI Appendix F, IP54, EN 60950-1