ZKTeco Fingerprint Scanner and Module SDK Selection Guide

ZKTeco offers variety of fingerprint scanner and module SDK to suit the different business needs requirements.
We believe a clear function comparison guide would be a good helper of all of our customers.
Here is the SDK selection guide to help you sort out the similarities and differences among all ZKTeco fingerprint developing SDK.

	X86/64 PC Hosting		ARM V7/V8 Android Hosting	Embedded Module	ZKBioOnlineSDK	
SDK Name	ZKFingerSDK 5.3	ZKFingerSDK 5.3_ISO	ZKFingerSDK 5.3 Android	ZKFingerModule SDK	ZKBioOnlineSDK Browser Client	ZKBioOnline SDK Server
Compatible Devices	SLK20R/ZK9500 ZK4500/ZK7500/ZK8500	SLK20R/ZK9500 ZK4500/ZK7500/ZK8500	SLK20R/SLK20M ZK9500/Bio30M	SLK20M/Bio30M	SLK20R/ZK9500 ZK4500/ZK7500/ZK8500	
Functionality	Initial/Open/Close device	Initial/Open/Close device	Initial/Open/Close device	Initial/Open/Close device		
	Set/Get parameter parameter:SN. ,DPI, image size.	Set/Get parameter parameter:SN. ,DPI, image size.		Set/Get parameter parameter: firmware version, time,template capacity, algorithm version		
	Get Image	Get Image	Get Image	Get Image	http/https get:image	
	Generate ZKTeco V10.0 Templates	Generate ISO 19794-2 ANSI378 Template	Generate ZKTeco V10.0 Templates	Generate ZKTeco V10.0 Templates	http/https get:template	
				Generate ISO19794-2/ANSI378 Template		
	Initial/Free algorithm	Initial/Free algorithm	Initial/Free algorithm	Initial/Free algorithm		
	Add/Delete template in hosting memory	Add/Delete template in hosting memory	Add/Delete template in hosting memory			
	Finger template identification in hosting memory	Finger template identification in hosting memory	Finger template identification in hosting memory	Finger template identification in embedded memory		
	Finger template verification in hosting memory	Finger template verification in hosting memory	Finger template verification in hosting memory	Finger template verification in hosting memory		ZKMatch: 1:1 verification
	Finger template merging	Finger template merging	Finger template merging			
	BMP/JPG image extract to template	BMP/JPG image extract to template		Enroll by image ; identify by image image only support: 8Bit R AW(120KB)		
	Data format transfer[Base64]	Data format transfer[Base64]				
	Storage image in hosting, need to design	Storage image in hosting, need to design	Storage image in hosting, need to design			
	Storage templates in hosting, need to design	Storage templates in hosting, need to design	Storage templates in hosting, need to design	Storage templates in embedded flash		
Compatible Devices, Hosting Hardware and Operation System	Hosting Hardware: Intel X86/64 Based PC: Operation System: Windows XP SP3/Vista/7/8.1/10, Windows Server 2008/2012 (32/64 bits) Devices Compatible: SLK20R/ZK9500 ZK4500/ZK7500/ZK8500 — Hosting Hardware: Intel X86/64 Based PC: Operation System: Linux Kernel 2.6~4.10 Ubuntu and Linux/GNU system; Device Compatible: SLK20R/ZK9500	Hosting Hardware: Intel X86/64 Based PC: Operation System: Windows XP SP3/Vista/7/8.1/10, Windows Server 2008/2012 (32/64 bits) Devices Compatible: SLK20R/ZK9500 ZK4500/ZK7500/ZK8500 — Hosting Hardware: Intel X86/64 Based PC: Operation System: Linux Kernel 2.6~4.10 Ubuntu and Linux/GNU system; Device Compatible: SLK20R/ZK9500	Hosting Hardware: ARM V7/V8 Operation System: Android 4.0~6.0 Devices Compatible: SLK20M/Bio30M	Hosting Hardware: TTL RS232/USB Hosting Device ARM V7/V8,MCU,X86/X64-CPU, etc. Hosting Operation System: Linux Kernel 2.6~3.0,RTOS, Windows,etc. Devices Compatible: SLK20M/Bio30M	Hosting Hardware: Intel X86/64 Based PC: Operation System: Windows XP SP3/Vista/7/8/8.1/10, Windows Server 2008/2012 (32/64 bits) Devices Compatible: SLK20R/ZK9500 ZK4500/ZK7500/ZK8500	Hosting Hardware: Intel X86/X64 Based PC: Operation System: Windows XP SP3/ Visata7/8/8.1/10, Windows Server 2008/2012 (32/64 bits) Linux Kernel 2.6~4.10
Browser Support	None	None	None	None	Internet Explorer 11+/ Firefox 27+/Chrome 33+	
SDK Demo Language	ActiveX/C/C#/Java	ActiveX/C/C#/Java	Java	C/TTL Command	http/https get-post	
Charge	No	Yes	No	No	Yes	