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Product feature matrix

Compare products and features

(For a more detailed description of the individual features, move the pointer to the specific feature.)



	Infinity USB Unlimited	Infinity USB Smart	Infinity USB Phoenix	Infinity USB(discontinued)	Funprogrammer USB
Technology	25 MIPS CISC CPU	25 MIPS CISC CPU	6 MIPS RISC CPU	6 MIPS RISC CPU	6 MIPS RISC CPU
Flash upgradable firmware	✓	✓			
PC interface	Fullspeed USB1.1 / USB2.0	Fullspeed USB1.1 / USB2.0	Lowspeed USB1.1 / USB2.0 + Serial/COM (for Phoenix-mode)	Lowspeed USB1.1 / USB2.0	Lowspeed USB1.1 / USB2.0
Powersupply	By USB-port	By USB-port	By USB-port	By USB-port	By USB-port
LED	Fullcolour RGB	Red + Green	Blue + Red	Blue	Red
Smartcard slots	Standard + SIM/GSM	Standard	Standard	Standard	Standard
Smartcard voltage	5V + 3.3V	5V	5V	5V	5V
Phoenix-mode	✓ (SDK + Virtual COMport)	✓ (SDK + Virtual COMport)	✓ (hardware)		
Smartmouse-mode	✓ (SDK + Virtual COMport)	✓ (SDK + Virtual COMport)	✓ (hardware)		
Onboard clockgenerator	✓ (stepless)	✓ (fixed frequencies)	✓ (fixed frequencies)		
Frequencies	Any frequency between 0,1MHz to >25MHz	3.58MHz 3.68MHz 6.00MHz	3.58MHz 3.68MHz 6.00MHz		
Clock boost	✓	✓			
Frequency autodetection	✓	✓			
Wafecard	✓		✓	✓	
Goldcard	✓		✓	✓	
Silvercard	✓		✓	✓	
Greencard	✓		✓	✓	
Greencard2	✓		✓	✓	
Bluecard	✓		✓	✓	
CanaryCard	✓		✓	✓	
EmeraldCard	✓		✓	✓	
Singlepic	✓		✓	✓	
Funcard/Funcard2	✓		✓	✓	✓
PrussianCard/Funcard3	✓		✓	✓	✓
PrussianCard2/Funcard4	✓		✓	✓	✓
PrussianCard3/Funcard5	✓		✓	✓	✓
PrussianCard4/Funcard6	✓		✓	✓	✓
PrussianCard5/Funcard7	✓		✓	✓	✓
JupiterCard	✓		✓	✓	✓
JupiterCard2	✓		✓	✓	✓
Funcard ATmega161	✓		✓	✓	✓

FunCard ATmega163	✓		✓	✓	✓
FunCard Atmega8515	✓		✓	✓	✓
BlackCard	✓		✓	✓	✓
TitaniumCard	✓ (directly over USB or thru VCP)	✓ (thru VCP)	✓ (thru Phoenix)		
TitaniumCard 2	✓ (directly over USB or thru VCP)	✓ (thru VCP)	✓ (thru Phoenix)		
M-II	✓ (directly over USB or thru VCP)	✓ (thru VCP)	✓ (thru Phoenix)		
TitanCard	✓ (directly over USB or thru VCP)	✓ (thru VCP)	✓ (thru Phoenix)		
KnotCard	✓ (directly over USB or thru VCP)	✓ (thru VCP)	✓ (thru Phoenix)		
KnotCard II	✓ (directly over USB or thru VCP)	✓ (thru VCP)	✓ (thru Phoenix)		
KnotCard III	✓ (thru VCP)	✓ (thru VCP)	✓ (thru Phoenix)		
Opos card	✓ (directly over USB or thru VCP)	✓ (thru VCP)	✓ (thru Phoenix)		
Gamma card	✓ (directly over USB or thru VCP)	✓ (thru VCP)	✓ (thru Phoenix)		
MII+	✓ (thru VCP)	✓ (thru VCP)			
DragonloaderCard (FUN based)	✓ (directly over USB)	✓ (thru VCP)	✓ (directly over USB)	✓	✓
DragonloaderCard (PIC based)	✓ (directly over USB)	✓ (thru VCP)	✓ (directly over USB)	✓	
BasicCard 4.5D	✓ (directly over USB or thru VCP)	✓ (thru VCP)	✓ (thru Phoenix)		
GSM/SIM-cards	✓ (thru VCP)	✓ (thru VCP)	✓ (thru Phoenix)		
Memorycards (24Cxx)	Supported by SDK / demo software in SDK	Supported by SDK / demo software in SDK			
Secure memorycards (SLExxxx)	Supported by SDK / demo software in SDK	Supported by SDK / demo software in SDK			
Other cards	Direct software support for future cards when available (most cards already supported by 3rd party Phoenix / Smartmouse software)	Most cards supported by 3rd party Phoenix / Smartmouse software	Most cards supported by 3rd party Phoenix / Smartmouse software		
Multiprogrammer mode	✓	✓			
SDK	DLL based SDK + Cmdline	DLL based SDK + Cmdline	Commandline switches	Commandline switches	
Software supplied by WB Electronics	✓ (CD)	✓ Mode-selection software	✓ (CD)	✓ (CD)	✓ (CD)
Supported OS	Windows 98SE, ME, 2000, XP, XP64, 2003, Vista 32bit, Vista 64bit, Windows 7 (32+64bit), Windows 8 (32+64bit), Window 10 (32+64bit), Linux	Windows 2000, XP, XP64, 2003, Vista 32bit, Vista 64bit, Windows 7 (32+64bit), Windows 8 (32+64bit), Window 10 (32+64bit), Linux	Windows 98SE, ME, 2000, XP, XP64, 2003, , Vista 32bit, Vista 64bit, Windows 7, Linux	Windows 98SE, ME, 2000, XP, XP64, 2003	Windows 98SE, ME, 2000, XP, XP64, 2003
Embedded Linux (DreamBox/STB)		✓			
Multilanguage software	UK, DE, FR, DK, NL, IT, ES, PL, PT, EE, IS, NO, SE, FL, CZ, TR, HU, IS, FI	UK, DE, FR, DK, NL, IT, IS	UK, DE, FR, DK, NL, IT, ES, PL, PT, EE, IS, NO, SE, FL, CZ, TR, HU, IS, FI	UK, DE, FR, DK, NL, IT, ES, PL, PT, EE, IS, NO, SE, FL, CZ, TR, HU, IS, FI	UK, DE, FR, DK, NL, IT, ES, PL, PT, EE, IS, NO, SE, FL, CZ, TR, HU, IS, FI
SIM editing software	✓				
Winlogon / password	✓	✓			

management software					
Downloadable users manual (pdf)	✓ (UK, DE, FR, DK, NL, IT, ES, PL, PT, EE, IS, NO)	✓ (UK)	✓ (UK, DE, FI, NL, FR, GR)		
Users manual included (printed)	✓ (UK, DE, FR, DK)		✓ (UK)		
Design	White plastic casing	White plastic casing	Silver or dark grey plastic casing	Black plastic casing	Dark grey plastic casing
Physical size	42x86x16mm (32g)	72*39mm (58g)	113x80x20mm (74g)	113x80x20mm (66g)	113x80x20mm (65g)
Manufacturing	SMT, designed and manufactured in Denmark	SMT, designed and manufactured in Denmark	SMT, designed and manufactured in Denmark	SMT, designed and manufactured in Denmark	SMT, designed and manufactured in Denmark

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