

Advantech RISC DTOS / ODM APPLICATION FORM v1.06

Date ____ (D) / ____ (M) / ____ (Y)

Project No : _____

Customer Application version : _____

Applicant Information (Advantech contact window)			
Name		E-mail	
Office Phone		Ext. #	
Mobile		FAX	
RBU / Distributor			
Customer Information			
Company Name		Web Site	
Country		City	
Turn Over			
Business Nature			
Market Position :			
Contact Window			
Name (A)		Position	
Office Phone		Ext. #	
Mobile		FAX	
E-mail			
Name (B)		Position	
Office Phone		Ext. #	
Mobile		FAX	
E-mail			

Project Background	
Project Type	Customized Evaluation Kit Service De/ Populated Customization Service AMI-DTOS Service SOM-DTOS Service SBC-DTOS Service System-DTOS Service
Background in RISC base application for our customer :	
1. Has our customer ever used Advantech RISC evaluation kit? _____ (Yes / No) 2. If 'Yes', which types of evaluation kit did our customer use? (a) _____ (b) _____ (c) _____ (d) _____ (e) _____	
Why does our customer need to use RISC platform for his product solution? Power Critical - _____ Environmental Critical - _____ Form Factor / Space Critical - _____ Cost Critical - _____ Other Reason, Pls specify - _____	
Project Application	
System Block Diagram	
Target Unit Price	US\$ _____ / unit
Quantity	Total Quantity : _____ unit (_____ unit / year or _____ unit / month) Engineering Sample Quantity : _____ unit (min. _____ unit) Pilot Run Quantity : _____ unit (min. _____ unit) First Mass Production Quantity : _____ unit (min. _____ unit)
Expect Schedule	Engineering Sample : ____ (D) / ____ (M) / ____ (Y) Pilot Run : ____ (D) / ____ (M) / ____ (Y) Mass Production : ____ (D) / ____ (M) / ____ (Y)

Hardware Function Requirement

Item	Function	Sub-Function
1.0 System Kernel		
1.1	CPU	Intel® Xscale® PXA255 Frequency 200MHz 300MHz 400MHz
		Intel® Bulverde® PXA270 Frequency 208MHz 312MHz 416MHz 520MHz
		Intel® IXP (420 421 422 425) Frequency 266MHz 400MHz 533MHz
1.2	Flash Memory	OS image loaded from On-board Flash? Yes, On-board Flash Memory Size 32MB 64MB Other _____MB No (Boot from CFC)
1.3	SDRAM Memory	16MB 32MB 64MB 128MB other ____MB
1.4	Watch Dog	Need No need
1.5	RTC Timer	Need No need
1.6	Internal System backup battery	Rechargeable Non-Chargeable, Size _____
		Power Backup for SDRAM & RTC RTC only No need
1.7	Operation System	Windows CE .NET(CE 4.1) Windows CE .NET(CE 4.2) Embedded Linux kernel 2.4.x kernel 2.6.x Other OS , specify _____ Language version English Other _____
2.0 Display Support Function		
2.1	LCD	Customer Selection Type : _____ (Maker) / _____ (Part Number) Advantech Recommend Source
		* please pass Advantech your target LCD spec/manual if you have. ● LCD Type STN DSTN TFT ● LCD Interface LVDS TTL ● Light Source Type Transmissive Transflective

		<p style="text-align: right;">Reflective</p> <ul style="list-style-type: none"> ● Color Monochrome <ul style="list-style-type: none"> Gray level 4 16 Others _____ Color <ul style="list-style-type: none"> Color level 16 256 High Color Full Color Others _____ ● LCD Size <ul style="list-style-type: none"> 3.x" _____ 5.7" 6.4" 8.4" 10.4" 12.1" 15" Others _____ inches ● Resolution <ul style="list-style-type: none"> QVGA (320X240) VGA (640X480) SVGA (800X600) XGA (1024X768) Others _____ x _____ ● Data Width 8Bits 16Bits Display Mode <ul style="list-style-type: none"> 320 x 240 16BPP STN 320 x 240 16BPP TFT 640 x 480 16BPP STN 640 x 480 16BPP TFT 800 x 600 16BPP TFT 1024 x 768 8BPP TFT 1024 x 768 16BPP TFT ● Brightness Up to _____ nits <ul style="list-style-type: none"> Adjusted by H/W S/W ● Contrast (For DSTN / STN LCD only) <ul style="list-style-type: none"> Adjusted by H/W S/W
2.2	CRT	<p>(Resolution will be as same as LCD setting)</p> <p>Highest Resolution VGA (640X480)</p> <p> SVGA (800X600)</p> <p> XGA (1024X768)</p> <p> SXGA (1280X1024)</p> <p> Others _____ x _____</p>

2.3	TV Out	NTSC PAL
2.4	TV In	NTSC PAL
2.5	Touch Screen	Sensor Type Resistive Others _____ Technology Type 4 Wire 5 Wire Others _____Wire
3.0 I/O interface		
3.1	RS-232	Full Function x _____Port TTL Level Transceiver Connector type DB9 Pin Header Others_____ 4-wire x _____Port TTL Level Transceiver Connector type DB9 Pin Header Others_____ 2-wire x _____Port TTL Level Transceiver Connector type DB9 Pin Header Others_____ Isolation (Level _____)
3.2	RS-485	Normal Function x _____Port Connector type DB9 Pin Header Others_____ Auto Flow Control Isolation (Level _____)
3.3	CAN Bus	Port One Two Others_____ Protocol _____
3.4	USB 1.1	Host x _____Port Connected device _____ Connector Type Type A Pin Header Client x _____Port Connector Type Type B Pin Header
3.5	Ethernet	10Base-T 10 / 100Base-T
3.6	IrDA	Data Sync (SIR FIR) Remote Control (It is CIR)
3.7	Audio	Buzzer Speaker Out (Left / Right) Amplifier _____ Watt Line In Line Out Microphone In
3.8	Digital Input	Isolation

		Speed _____ / Level _____ No Isolation How many DI port _____?
3.9	Digital Output	Isolation Speed _____ / Level _____ No Isolation How many DO port _____?
3.10	Analog Input	Channel : _____ ch Resolution : _____ bits Voltage Level : _____ Volt (High) / _____ Volt (Low) Frequency : _____ Hz
3.11	Analog Output	Channel : _____ ch Resolution : _____ bits Voltage Level : _____ Volt (High) / _____ Volt (Low) Frequency : _____ Hz
3.12	GPIO	Quantity _____
3.13	Hot Key	Quantity _____
3.14	IDE	____ x Port / Connecting Device _____
3.15	PS / 2	Keyboard Mouse
3.16	Compact Flash	Socket One Two Purpose Data Only Bootable Type I Type II Connecting I/O Device: vendor _____ PN _____
3.17	PCMCIA	Socket One Two Type I Type II Connecting I/O Device: vendor _____ PN _____
3.18	SD / MMC	1-bit 4-bit memory card only I/O card vendor _____ PN _____
4.0 Power		
4.1	Power Input	DC In _____ Volt , +/- _____ % Battery In _____ Volt
4.2	Power Out	DC out _____ Volt, +/- _____ %, _____ A
4.3	Battery (Li-On)	Battery pack architecture : ___S___P Voltage _____ V Capacity _____ mAh

		Life Time in single charge _____hours Special Request on Battery Life Cycle _____ Charger : Charging hours : _____
4.4	Battery Monitor	SM-Bus Need No need
4.5	Hardware Reset	Need No need button pin header
4.6	Software Reset	Need No need button pin header
4.7	Suspend / Resume	Need No need button pin header
4.8	Power Management	On – _____Watt by H/W S/W Idle – _____Watt LCD Backlit Off Others _____ by H/W S/W Suspend : _____Watt SDRAM & RTC running only, Other _____ by H/W S/W Off by H/W S/W
5.0 Expansion		
5.1	System Bus Interface	Advantech AMI Others _____ Connecting module / Function _____ Drivers owned by Advantech Customer Connector AMI Connector Others _____
5.2	mini-PCI (2.2)	Connecting module / Function _____ Drivers owned by Advantech Customer Connector PCI Connector Others _____
5.3	PCI (2.2)	Connecting module / Function _____ Drivers owned by Advantech Customer Connector PCI Connector Others _____
6.0 Miscellaneous		
6.1	Other Function Requirement	Please Specify _____

7.0 Mechanical / Environmental		
7.1	Physical	Board Size (L x W x H) _____ Placement _____ Layout _____ Connector Table _____ Pinout Table _____ Other Requirement _____

8. Software Request Information

8.1 Built-in OS image	
Boot Loader	Advantech Std BL : _____ Other _____
OS Kernel	Windows CE Component Portfolio Follow Advantech pre-define. Ref# Customer own define, Specify _____
	Linux Kernel Version ARM Linux 2.4.19 ARM Linux 2.6.x Other: _____ Operation interface : Command mode (Advantech default) Any GUI mod, Like ICARE : _____,
Power Management	Backlight On / Off Resume <input checked="" type="checkbox"/> <u>USB KB / MS</u> <input checked="" type="checkbox"/> <u>PS/2 KB / MS</u> <input checked="" type="checkbox"/> <u>Touch Screen</u> Suspend Battery AC Power Resume <input checked="" type="checkbox"/> <u>Power Button</u>
Device Drivers	Customers drivers _____
	Compatible Peripherals drivers _____
Built-in System Utility / Tool	Is any special system Utility needed ? If Yes, please specify _____ Default Utility <input checked="" type="checkbox"/> Notepad <input checked="" type="checkbox"/> Regflash <input checked="" type="checkbox"/> Reboot <input checked="" type="checkbox"/> Startup Execution <input checked="" type="checkbox"/> Safemode <input checked="" type="checkbox"/> System configurator

	<ul style="list-style-type: none"> √ General √ Touch Screen √ Display √ Watchdog timer √ HotKey √ DIO √ Miscellaneous
Special Application Requirement	<p>Is any special / customer function needed on the target Platform ? If yes, please describe _____</p> <p>**If possible, please describe how customer system works or its SW apps architectures if there</p>
8.2 Platform Development Tool	
Platform Development Tool	SDK EVC++ Compact Frame works Binary BSP – Retails version Others _____
Upgrade Bootloader	JTAG CFC LAN
Upgrade OS Image	CFC LAN