thinvent

Item	Specification	Compliance
Processor	1.8 GHz and or above (Fanless Model)	Yes
Memory	2 GB or above DDR3	Yes
Flash or Disk in chip	4 GB SATA/mSATA in primary slot or onboard primary	Yes
VRAM	VRAM minimum 64 MB or above (should be configurable from BIOS and shared with memory)	Yes
Redundant flash (in slot other than primary)	4 GB SATA/mSATA	Yes
Power Supply	Internal SMPS/External with 110-240 V or 90-264V 50 Hz automatic power down power supply	Yes
Key board & Mouse	PS2/USB based 107 keys Mechanical keyboard and scroll mouse.	Yes
Monitor	15.6" or higher TFT color monitor (resolution 800 x 600)	Yes
Emulation Support	For PRS, VT100/VT220/VT320 emulation support over RS232/LAN through telnet with PRS forms downloading feature, answerback support (in disabled mode) over telnet. ISCII 83 for printing PRS tickets. Programmable function key should not be supported in emulation. Support for barcode printing (both for 1D and 2D) through escape sequence in terminal emulation. Support for RFID Smartcard reading as per CRIS requirement through escape sequence in terminal emulation. The thin client should be capable of printing both ASCII and ISCII characters. In ISCII it should support printing of ISCII 83 and ISCII 88 codes (chart printing in Hindi as well as English). For UTS, VT100/VT220/VT320 emulation should through telnet with forms downloading feature. Separate login should be provided for UTS and PRS through emulation.	Yes
Slots	At least one free PCI/miniPCIe slot	Yes
Ports	One centronics parallel printer port	Yes
	Two serial ports, one for DB 9 pin (for printer) and other for MUX or host connectivity.	Yes
Connectivity	10/100/1000 Mbps auto sensing LAN interface	Yes
Accessories	Four USB ports with option for storage class enabling/disabling using admin password. (by default it should be disabled for storage class).	Yes
Networking	Support for telnet, ftp, rsh, rexec, scp, ssh, cron, rlogin, PPP support	Yes
	TCP/IP with DHCP, DNS support	Yes
Should have following O/S and S/W embedded	1. Embedded linux with Kernel 2.6.x or above. OS size should be less than 800 MB of onboard/primary flash memory. (OS size includes kernel, libraries required to run CRIS UTS application, terminal emulation with Devanagari support). X-window interface.	Yes
	2. JRE version 1.6 or above should be provided.	Yes
	3. SAP Sybase ASA version 10 or above.	Yes
	4. CRIS/UTS application (both the front end and back end)	Yes
	5. All the drivers for peripherals like display, printer and networking components. Local terminal configuration utility.	Yes
	NOTE: 1. The cost of the ASA license is to be borne by the vendor. 2. Should be able to simultaneously run both UTS and PRS applications with switching through Hotkeys. 3. Should be able to simultaneously run both UTS and SMC applications with switching through Hotkeys.	Yes
Remote Management Software Support	Administrator be able to do a remote installation from a central location, management of operating system, updates, patches and application software of all thin clients.	Yes
	Administrator should be able to Remotely control network setting, power options, restart options.	Yes
Other Supports	Multisession/Multi host support	Yes
	Support for printing to dot matrix, thermal printer and laser printer.	Yes
	SNMP V1/V2 along with MIB-I/MIB-II should return attributes: host name, MAC Address, OS, its version.	Yes
Compatibility	Compatibility with Sybase Anywhere (ASA version 10 and above)	Yes
	CRIS application in C, C++ and Java. Indian language printing support for Hindi.	Yes
	VT100/VT220/VT320 emulation support for UTS local application display.	Yes
Printing	Bi-directional printing support, ISCII support (for printing in Hindi)	Yes
Construction	Vertical/Book End	Yes
Regulatory Compliance	For thin client: self certified RoHS (Restriction of Hazardous Substances) compliance. BIS certification, FCC class B for EMC.	Yes
Security	Password protected local terminal configuration	Yes
Hardware indicators	Disk and network indicator	Yes
Other OS features	Automatic application start up feature	Yes
Warranty	3 years on site on call support.	Yes
Power consumption of total solution	Total power consumption of the system (thin client and monitor) should not exceed 90 watts.	Yes
Note	During warranty period, as per CRIS NMS application requirement the software update for SNMP should be provided free of cost.	Yes

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