Embedded Computing Client (ECC)- Linux

Breeze ECC-LXR is a highly efficient and powerful thin client for New PRS Booking and Charting Terminal applications of CRIS & Indian Railways. Highly customizable in terms of software & hardware, high reliability with no moving parts and low power consumption.

Breeze ECC LXR

MAIN FEATURES

- Latest embedded Linux kernel 64-bit based OS, minimum kernel OS version 4.18.
- OS Size less than 2GB of on board/primary flash memory
- Java Run Time Environment 1.8 or above Support
- Latest Mozilla Browser with interaction with peripherals devices (such as printer, card reader, scanner, POS machines etc.) and option to import security certificates. Minimum Mozilla Firefox browser version 69.0, upgradeable to version 71
- 10 /100/1000 Mbps LAN Interface
- TCP / IP with DNS, DHCP
- Telnet,FTP, RSH,Rexec, SSH,Cron,Rlogin support
- Remote Management Support
- SNMP support along with MIB-II

- Support for printing to both Dot Matrix, Thermal Printer and Laser Printer,CUPS Printing support
- Linux lpr printing facility should be installed
- Unicode printing support
- All the drivers for peripherals like display, printer and networking components. Local terminal configuration utility. Multi session/Multi host support
- Password protected local terminal configuration
- All the drivers for peripherals like display, printer and networking components. Local terminal configuration utility
- Provision to enable/disable USB storage devices
- Automatic Application Startup feature

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MAIN SPECIFICATION

SYSTEM	
Chassis	Black chassis having front power button & Process Indicator (LED)
Processor	Intel CPU 2.0 GHz Quad Core Fan less
Operating System	Embedded Linux (as per requirement)
Emulation Support	X Windows

DISPLAY	
Port	HDMI 1x & VGA x 1
Monitor	15.6" or higher TFT color monitor (resolution 800 x 600)

MEMORY	
RAM (DDR3)	1x SO-DIMM socket Supports max. 8 GB DDR3)
Flash Memory	16GB MLC (32GB MLC flash with 16GB usable & 16GB for Over Provisioning) in Primary
Redundant Flash	Optional

NETWORK	
LAN	x1 (10/100/1000 Base-T Fast Ethernet, RJ-45)
WLAN	Optional

I/O PERIPHERAL INTERFACE	
USB 2.0	x 6 (front 2x, rear 4x)
USB 3.0	1x
Serial Port	2x
Parallel port	1x
Other	Optional

AUDIO	
Ports	Front & Back: Speaker-out x 1 , Mic-in x 1, (1/8-inch mini jack)

DIMENSION	
Device	212mm x 62.8mm x 210.6mm
Packaging	110mm x 312mm x 307mm
Net Weight	1.6 kg nett

POWER	
Adapter	100-240V AC, 50Hz, 19V/3.42A DC
Power Consumption	Maximum Rating 65W (Actual consumption less than 35W)

Certification & Compliance	
BIS(Bureau of India Standards)	**Reg. No. R-67000159**
RoHS	RoHS Compliant

ENVIRONMENT	
Cooling	Fan-less Convection
Operation Temperature	0℃ to 40℃
Relative Humidity	30% to 90% non-condensing

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