

TOSHIBA LIBRETTO 50CT Specifications

PART# PA1249U-T2A

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| PROCESSOR | | Intel Pentium® 75 Mhz (2.9v/3.3v) w/VRT |
| External data bus width | | 64 bit |
| External data/address bus speed | | 50 MHz |
| Integrated Coprocessor | | Yes |
| Processor Cache | | 16KB: (8KB code; 8KB data) |
| SYSTEM ARCHITECTURE | | |
| Vesa Local Bus (32-bit, 25Mhz) | | Connecting Devices: Graphics controller |
| ISA Bus: (16-bit, 8mhz) | | Connecting Devices: BIOS, HDD, KBC, Sound chip |
| MEMORY: 16Mbit EDO DRAM, 3.3V | | |
| Standard/Maximum | | 16 MB/32MB |
| Speed | | 70ns |
| Hyper Page mode memory access | | Yes |
| Data width | | 64 bit |
| Local Bus Clock Speed | | 50 MHz |
| BIOS (2Mbit FLASH EPROM, 120ns) | | 256KB: Supports APM (v.1.2); VESA (v2.0); DPMS, DCC |
| PnP 1.0a SUPPORT | | Yes |
| DISPLAY | | |
| Type | | TFT Active Matrix Color |
| Size | | 6.1" Diagonal |
| Dot Pitch | | 0.19mm x 0.19mm |
| Contrast Ratio | | 100:1 (min) |
| VIDEO | | |
| Memory: 4Mbit EDO DRAM, 3.3V | | 1 MB |
| Speed | | 50ns |
| Hyper Page mode support | | Yes |
| Controller Chip | | Chips & Technology (B65550) w/32-bit Data Bus Width |
| Data Bus Width | | 32-bit |
| VESA Local Bus | | Yes: 32-bit, 25 MHz |
| Graphics Accelerator: | | Yes: Supports 32-bit BitBLT, H/W Cursor, Scaling, DirectDraw |
| Digital Video Accelerator: | | Yes |
| YUV-to-RGB color space conversion | | Yes |
| DirectVideo support | | Yes |
| Color Palette | | Up to 16.7M colors |
| Internal Resolution | | 640 x 480 x 16.7M colors |
| Virtual Display | | 800 x 600 x 64K colors |
| Virtual Display | | 1024 x 768 x 256 colors |
| Virtual Display | | 1280 x 1024 x 16 colors |
| External Resolution | | <u>Colors/Palette</u> |
| 640 x 480 | | 16.7M colors |
| 800 x 600 | | 64K colors |
| 1024 x 768 | | 256 colors |
| 1280 x 1024 | | 16 colors (interlace only) |
| Vert. Refresh Rate (@ 800 x 600 Non-Interlaced) | | Vert.:64Hz @ 64K colors (Adjustable @ 640 x 480: 85/75/60 Hz @ 16.7M colors) |
| STORAGE | | |
| HDD (2.5" Enhanced IDE) -- Fixed | | 810 million bytes = 772MB (13 msec) |
| FDD (3.5" 1.44MB) | | Yes: (Includes PC Card and FDD) |
| KEYBOARD | | |
| 80keys | | Yes (15mm key pitch; full-size key caps; 1.5 mm Travel) |
| 12 dedicated function keys | | Yes |
| Cursor control (8 Keys, Inverted "T") | | Yes |
| Integrated Pointing Device | | AccuPoint™ (Right of LCD display) |

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|---|---------------------------------|--|
| EXPANSION PORTS | | LOCATION |
| One Headphone (2.5mm Umini jack, stereo) | | Yes: Rear of unit |
| One Infrared port (IrDA1.0: 115.2Kbps) | | Yes: Rear of unit |
| I/O BAR (Port Expander) | | (1) Standard: Connects 100-pin to expansion bus -- rear of unit |
| One 9-Pin Serial (16550 UART compliant) | | Yes |
| One 25-Pin Parallel (8 bit ECP) | | Yes |
| One 15-Pin RGB (SVGA video) | | Yes |
| Optional Enhanced Port Replicator (PA2718U) | | One (PS/2) 101 Keyboard port, One (PS/2) Mouse port, One RGB port, One Serial port, One parallel port, One Type III PC Card slot |
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| EXPANSION SLOTS | | |
| One 16-bit, 5.0V PC Card Slot | | Yes: Holds one - 5mm PC Cards Type II |
| Internal Memory Slot (One only) | | Yes |
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| POWER | | |
| Autosensing External AC Adapter: PA2500U | | 3.94''L x 1.97''W x .98D''--- .44 lbs |
| Input (Voltage/Frequency) | | 100-240V; 50-60Hz |
| Output (Voltage/Amps) | | 15 VDC; 2.0A |
| Power Output (Watts) | | 30W |
| Battery | | |
| Standard Battery: Li-Ion (1200mAh) | | Yes: Part# PA2497UR (one standard) |
| High Capacity Battery: Li-Ion (2400mah) | | Optional: Part# PA2498UR |
| Battery Life ² (Full Power/Low Power) | | 1.5 hrs./2.0 hrs (3hrs/4hrs using high capacity battery) |
| Recharge Time (Computer Off only) | | 3 hrs. (6 hrs. with high capacity battery) |
| MaxTime® Power Management | | Yes |
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| SOUND SYSTEM | | |
| Chipsets: | | Yamaha OPL3+ SA2 |
| 16 bit stereo playback | | Yes |
| Maximum Sampling Rate | | 44.1 kHz |
| FM Synthesis support | | Yes |
| Built-in Speaker | | Yes (monaural) -- right of LCD display |
| Half duplex supported | | Yes |
| DirectSound support | | Yes |
| Sound formats supported: | | SoundBlaster Pro™, MIDI |
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| Enhanced Port Replicator (Optional) | | Part# PA2718U |
| One 9-Pin Serial (16550 UART compliant) | | Yes |
| One 25-Pin Parallel (8 bit ECP) | | Yes |
| One 15-pin RGB port | | Yes |
| One (PS/2) 101 Keyboard | | Yes |
| One (PS/2) Mouse port | | Yes |
| One Type III PC Card Slot | | Yes |
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| DIMENSIONS | | 8.27"L x 4.53"W x 1.34"H |
| WEIGHT (Includes .33 lbs. standard battery) | | 1.87 Lbs. (Enhanced battery weighs .73 lbs.) |
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| BUNDLED SOFTWARE: Windows 95; MagiCDisk; Puma Tranxit 97; Fn-esse™; Online documentation & Registration. | | |
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| SECURITY | | Power-on, supervisor password |
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| WARRANTY | | 1 YR Parts & Labor |
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| ENVIRONMENTAL SPECIFICATIONS | Operating | Non-operating |
| Temperature | 41°F (5°C) to 95°F (35°C) | -4°F (-20°C) to 149°F (65°C) |
| Thermal Gradient: 20° C per hour (max.) | N/A | N/A |
| Relative Humidity | 20% to 80% non-condensing | 10% to 90% non-condensing |
| Altitude: | -197 to 9,843ft. (-60 to 3000m) | -197 to 32,808ft. (-60 to 10,000m) |
| Shock: | 10G; 1.5G w/CD-ROM installed | 60G; 50G w/CD-ROM installed |
| Vibration: | 0.5G; 0.25G w/CD-ROM installed | 1G; 1G w/CD-ROM installed |