



Compal Electronics, Inc.

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Discover (JHL91) Specification

Ver. 0.3



1. Dimension	358.5 mm(W) x 259 mm(D)x 25.4 mm(H) on front side, 39.2 mm on rear side
2. Weight	2.7 kg with 15.4" WXGA & 6cell battery.
3. CPU	<ul style="list-style-type: none"> - Intel Penryn : <ul style="list-style-type: none"> ➤ Dual core processor; FSB 1066MHz ➤ On-die, up to 6MB L2 cache
4. Chipset	<ul style="list-style-type: none"> - Intel Cantiga GM45 + ICH9-M <ul style="list-style-type: none"> ➤ Penryn processor support ➤ 800 MHz and 1066MHz FSB support
5. Memory	<ul style="list-style-type: none"> - No on board memory - Support DDR-II 667/800MHz - Two SODIMM with 512MB/1GB/2GB modules - Easy upgrade for two SODIMM. - Max. 4GB
6. ODD	<ul style="list-style-type: none"> - Fixed 12.7mm height SATA Tray Load <ul style="list-style-type: none"> ➤ Combo(CD-RW/DVD-ROM) ➤ DVD Super Multi
7. HDD	<ul style="list-style-type: none"> - 9.5mm, 2.5" S-ATA HDD support with 80/120/160/250GB (5400rpm) capacity - 9.5mm, 2.5" S-ATA HDD support with 120/160GB (7200rpm) capacity. - Easily removable - Intel Turbo Memory support 2.0(OPTION)
8. Display	- Support 15.4" WXGA(1280 x 800), glare and anti-reflection
9. Graphics Chip	- Intel Cantiga GM, 256MB share from system memory
10. Audio	<ul style="list-style-type: none"> - Realtek ALC268 - 2 channel HD Audio - Compliant with Universal Audio Architecture - Microphone-in and headphone-out - Internal Microphone support - Volume control: Hot-key control for Vista



11. PCI-Express card	- PCI Express card x1
12. Comm. A. Modem B. LAN C. WLAN D. Bluetooth E. Camera	A. Internal Modem with MDC solution V.92/56K bps; V.90/56K bps B. 10/100M LAN C. Wireless LAN, 802.11a/g/n(Intel Shirley Peak), 802.16e Mobile WiMAX and 802.11abgn(Intel Echo Peak) via PCIe Mini-Card. D. Bluetooth Ver. 2.1 module with USB2.0 interface E. 1.3M Pixel CMOS via USB2.0 interface(option).
13. Keyboard	- 85/86 keys support with 101/102 key emulation without stick-point. - Windows key, Application key - Standard pitch, 3.0mm travel length. - Multi-Language support.
14. Pointing Device	- Touchpad
15. Media card reader	- 3-in-1 Card Reader (SD, MMC, MS)
16. I/O ports	- USB 2.0 x 3, all are with Power USB feature - RGB; VGA port x 1, 15pins - Microphone-in x 1 - Headphone-out x 1 - DC-in jack x 1 - RJ-11 jack x 1 for 56Kbps V.90/92 Modem - RJ-45 jack x 1 - Kensington lock x 1 - Express Card x 1 - 3-in-1 Flash Card Reader(SD/MMC/MS) x 1 - Internal microphone x 1 - HDMI x 1
17. Mini Card	- One Mini card slot for WLAN. - One Mini card slot for Intel Robson



18. Control buttons	<ul style="list-style-type: none"> - Power button x 1 - Power USB button x 1 - Program DJ button x 1 - Magnetic lid switch control for system standby/wakeup or suspend/resume
19. Killer Switch	<ul style="list-style-type: none"> - YES (Wireless On/Off)
20. AC Adapter	<ul style="list-style-type: none"> - Universal AC adapter. 100-240V AC, 50-60HZ <ul style="list-style-type: none"> ➤ 65W with 19V DC ➤ 3 pin AC cable
21. Battery	<ul style="list-style-type: none"> - 6-cell Li-Ion, 18650 type, 4800/5200mAH - Life Cycle: 70% Design Capacity after 300 Cycles in 25degreeC - Battery life: (Tested by Mobilemark2007) 3.3 hrs (typical) with 6-cell/4800mAh battery
22. Software	<ul style="list-style-type: none"> - Phoenix First BIOS - Suspend to DRAM/HDD - Support SMBIOS 2.4, PCI2.2 - Support PXE - Wake on LAN from S3
23. OS	<ul style="list-style-type: none"> - Windows Vista Premium (for 32/64bit)
24. Security	<ul style="list-style-type: none"> - Kensington lock
25. Regulatory	<ul style="list-style-type: none"> - EMI: FCC-B, CE, CCC, A,C-Tick, VCCI, BSMI - Safety: Compliant to UL/CSA, CB - PTT: FCC-Part 68, CTR 21 - MDA2005 Compliant - WHQL LOGO - Energy star4.0