



Compal Electronics, Inc.

GL31 Notebook PC

Intel® Core™2 Duo processor Ready!!



Ordering Information

Model Name	Product Code	Note
GL31	CGL31945GM1	Integrated Graphics

Specification

Processor	<ul style="list-style-type: none"> Intel® Core™ Duo Processor with 2MB On-Die L2 Cache (T1300, T2300, T2300E, T2400, T2500, T2600, T2700) Intel® Celeron® M Processor (Core Duo based) 1M On-Die L2 Cache speeds from 1.5+ GHz. Intel® Core™ 2 Duo, 667MHz FSB, 4M L2Cache, 1.66GHz (T5500) up to 2.33GHz (T7600) uFC-PGA Package
BIOS	<ul style="list-style-type: none"> 1024KB Flash BIOS ROM
Chipset	<ul style="list-style-type: none"> Intel® 945GM + ICH7-M 533/667 MHz FSB support
Main Memory	<ul style="list-style-type: none"> Zero on board memory and two SO-DIMM with 512MB/1GB modules 256MB to maximum 2GB 533/667MHz DDR2 Easy upgrade from bottom side for two SODIMM
ODD	<ul style="list-style-type: none"> Fixed 12.7mm height Combo(CD-RW/DVD-ROM) (24x/24x/8x/24x) <ul style="list-style-type: none"> DVD-RAM/-R/-RW readable DVD Super-Multi (DVD-RAM/-R/-RW/+R/+RW) <ul style="list-style-type: none"> 8X write Support Double-Layer Recording is required
LCD Display (CBB*)	<ul style="list-style-type: none"> 14.1" WXGA, 1280 x 800 resolution, glare screen
Video	<ul style="list-style-type: none"> Intel® Graphics Media Accelerator 950. Up to 224MB memory shared with main memory
Hard Disk Drive (CBB*)	<ul style="list-style-type: none"> 9.5mm, 2.5" P-ATA HDD support with 40/60/80/100GB (5400rpm) capacity Easily removable no more than two screws
Modem & Bluetooth	<ul style="list-style-type: none"> Internal Modem with MDC 1.5 solution <ul style="list-style-type: none"> V.92/56K bps; V.90/56K bps Bluetooth : Ver. 2.0 module with USB2.0 interface
LAN & WLAN & Bluetooth (Option)	<ul style="list-style-type: none"> Realtek 8111B for Giga bit LAN 802.11b/g, a/b/g via Mini-Card interface Bluetooth interface for USB2.0

Audio	<ul style="list-style-type: none"> ■ Realtek ALC883 ■ HD Audio ■ Microphone-in and headphone-out ■ Internal Microphone ■ Two stereo speakers ■ Volume control: Hot-key control for XP
PCMCIA	<ul style="list-style-type: none"> ■ ENE CB714 controller ■ PC card 95 supported with 1x Type II ■ PCI – Express card (54mm type) x1 ■ 3-in-1 Flash Card Reader (SD/MMC/MS)
Keyboard (CBB*)	<ul style="list-style-type: none"> ■ 85/86 keys support with 101/102 key emulation without stick-point. ■ Windows key, Application key ■ Standard pitch, 3.0mm travel length. ■ Multi-Langue support.
Pointing Device	<ul style="list-style-type: none"> ■ Touch Pad with two buttons(up & down)
Interface I/O Port	<ul style="list-style-type: none"> ■ 3 USB (V2.0, horizontal type, 2 in Right side, 1 in Left side) ■ 1 RGB; VGA port, 15pins(Right side) ■ 1 S-Video out (Rear side) ■ 1 Microphone-in (Right side) ■ 1 Headphone-out jack (Right side) ■ 1 DC-in jack(Rear side) ■ 1 RJ-11 jack for 56Kbps V.90/92 Modem(Rear side) ■ 1 RJ-45 jack (Left side) ■ 1 Kensington lock (Left side) ■ 1 ExpressCard/54 (Left side) ■ 1 PCMCIA Type II (Left side) ■ 1 3-in-1 Flash Card Reader(SD/MMC/MS) (front side) ■ Two way communication switch (Left to off, Right to on)
Security	<ul style="list-style-type: none"> ■ HDD Password (design ready for Windows Vista) ■ Kensington lock
System Status LED Button	<ul style="list-style-type: none"> ■ 3 K/B indicators: Caps Lock(green), and Num Lock(green), Scroll Lock(green) ■ 1 LED for IDE HDD activity (green) ■ 1 LED for System status (Power On / Suspend)(green) ■ 1 LED for Battery status (Charging / Full / L1 / L2) (green/amber) ■ 1 LED for Wireless Card (RF ON/OFF) (blue) ■ 1 3-in-1 card reader(green)
Controls	<ul style="list-style-type: none"> ■ Power button x 1 ■ Magnetic lid switch control for system standby/wakeup or suspend/resume
User Keys	<ul style="list-style-type: none"> ■ Control button for short-Cut key functions <ul style="list-style-type: none"> ◆ 1 Internet (Explorer) key ◆ 1 E-mail (Outlook) key
AC adapter (CBB*)	<ul style="list-style-type: none"> ■ Universal AC adapter. 90-264V AC, 47-63HZ <ul style="list-style-type: none"> ◆ 75W with 19V DC(TBD) ◆ 3 pin 240V AC cable
Battery Pack & Life (CBB*)	<ul style="list-style-type: none"> ■ 6-cell LI-ION of 18650 size battery pack .(10.8V x 4800mAh)
Software	<ul style="list-style-type: none"> ■ Phoenix First BIOS (TBD) ■ Suspend to RAM/Disk ■ No support APM ■ Security: Power-On Password, Supervisor Password, HDD password ■ USB memory Boot support ■ Support SMBIOS 2.3, PCI2.2. ■ ACPI 2.0 compliance with Intel Speed-step Support C1, C2, C3, C4 and S3, S4 for mobile CPU ■ DMI utility for BIOS serial number configurable/asset tag ■ Support PXE ■ Wake on LAN from S3 ■ Wake on LAN form S4 in AC mode
Dimensions/Weight	<ul style="list-style-type: none"> ■ Dimensions : 340(W)x255(D)x28.7(H)mm, 38mm in rear side(w/ID) ■ Weight: <ul style="list-style-type: none"> ◆ Less than 2.5Kg with 14.1"WXGA & 6cell battery (TBD)

OS	<ul style="list-style-type: none"> ■ Windows XP HE(SP2), ■ Windows XP Pro(SP2)(with PC 2001 LOGO, and K/B LOGO) ■ Windows Vista design ready
Regulatory	<ul style="list-style-type: none"> ■ EMI: FCC-B, CE, CCC, A,C-Tick, VCCI, BSMI ■ Safety: Compliant to UL/CSA, TUV, CB ■ PTT: FCC-Part 68, CTR 21 ■ MDA2005 Compliant ■ Energy Star ■ WHQL LOGO
Environment	<ul style="list-style-type: none"> ■ Temperature: <ul style="list-style-type: none"> ◆ Operating: 5 - 35°C ◆ Storage: -20 - 65°C ■ Humidity: <ul style="list-style-type: none"> ◆ 10 - 90% without condensation. ■ Altitude: <ul style="list-style-type: none"> ◆ Operating sea level up to 10,000 ft ◆ Storage sea level up to 40,000 ft

*Common Building Blocks (www.intel.com/go/interchange)