



**Compal Electronics, Inc.**

## EL81 Notebook PC

Intel® Core™2 Duo processor Ready!!



### Ordering Information

Model Name	Product Code	Note
EL81	CEL81945GM1	Integrated Graphics

### Specification

Processor	<ul style="list-style-type: none"> <li>■ Intel® Core™ Duo Processor with 2MB On-Die L2 Cache (T1300, T2300, T2300E, T2400, T2500, T2600, T2700)</li> <li>■ Intel® Celeron® M Processor (Core Duo based) 1M On-Die L2 Cache speeds from 1.5+ GHz.</li> <li>■ Intel® Core™ 2 Duo, 667MHz FSB, 4M L2Cache, 1.66GHz (T5500) up to 2.33GHz (T7600) uFC-PGA Package</li> </ul>
BIOS	<ul style="list-style-type: none"> <li>■ 1024KB Flash BIOS ROM</li> </ul>
Chipset	<ul style="list-style-type: none"> <li>■ Intel® 945GM + ICH7-M</li> <li>■ 533/667 MHz FSB support</li> </ul>
Main Memory	<ul style="list-style-type: none"> <li>■ Zero on board memory and two SO-DIMM with 512MB/1GB modules</li> <li>■ 256MB to maximum 2GB 533/667MHz DDR2</li> <li>■ Easy upgrade from bottom side for two SODIMM</li> </ul>
ODD	<ul style="list-style-type: none"> <li>■ Fixed 12.7mm height</li> <li>■ Combo(CD-RW/DVD-ROM) (24x/24x/8x/24x) <ul style="list-style-type: none"> <li>◆ DVD-RAM/-R/-RW readable</li> </ul> </li> <li>■ DVD Super-Multi (DVD-RAM/-R/-RW/+R/+RW) <ul style="list-style-type: none"> <li>◆ 8X write</li> <li>◆ Support Double-Layer Recording is required</li> </ul> </li> </ul>
LCD Display (CBB*)	<ul style="list-style-type: none"> <li>■ Support 15.4" WXGA(1280x800), anti-glare and anti-reflection</li> </ul>
Video	<ul style="list-style-type: none"> <li>■ Intel® Graphics Media Accelerator 950.</li> <li>■ Up to 224MB memory shared with main memory</li> </ul>
Hard Disk Drive (CBB*)	<ul style="list-style-type: none"> <li>■ 9.5mm, 2.5" P-ATA HDD support with 40/60/80/100GB (5400rpm) capacity</li> <li>■ Easily removable no more than two screws</li> </ul>
Modem	<ul style="list-style-type: none"> <li>■ Internal Modem with MDC 1.5 solution <ul style="list-style-type: none"> <li>◆ V.92/56K bps; V.90/56K bps</li> </ul> </li> </ul>

LAN & WLAN & Bluetooth (Option)	<ul style="list-style-type: none"> <li>■ Realtek 8111B for Giga bit LAN</li> <li>■ 802.11b/g, a/b/g via Mini-Card interface</li> <li>■ Bluetooth interface for USB2.0</li> </ul>
Audio	<ul style="list-style-type: none"> <li>■ Realtek ALC883</li> <li>■ HD Audio</li> <li>■ Microphone-in and headphone-out</li> <li>■ Internal Microphone</li> <li>■ Two stereo speakers</li> <li>■ Volume control: Hot-key control for XP</li> </ul>
PCMCIA	<ul style="list-style-type: none"> <li>■ ENE CB714 controller</li> <li>■ PC card 95 supported with 1x Type II</li> <li>■ PCI – Express card (54mm type) x1</li> </ul>
Keyboard (CBB*)	<ul style="list-style-type: none"> <li>■ 85/86 keys support with 101/102 key emulation without stick-point.</li> <li>■ Windows key, Application key</li> <li>■ Standard pitch, 3.0mm travel length.</li> <li>■ Multi-Langue support.</li> </ul>
Pointing Device	<ul style="list-style-type: none"> <li>■ Touch Pad with two buttons</li> </ul>
Memory card reader	<ul style="list-style-type: none"> <li>■ 3-in-1 Flash Card Reader (SD/MMC/MS)</li> </ul>
IEEE 1394	<ul style="list-style-type: none"> <li>■ VIA VT6311S.</li> <li>■ PCI single chip solution, PCI 2.2 compliant.</li> <li>■ OHCI v1.1</li> <li>■ IEEE1394.A 4-pin</li> </ul>
Interface I/O Port	<ul style="list-style-type: none"> <li>■ 3 USB (V2.0, horizontal type, 2 in Right side, 1 in Left side)</li> <li>■ 1 RGB; VGA port, 15pins (Right side)</li> <li>■ 1 S-Video out (Rear side)</li> <li>■ 1 Microphone-in (Right side)</li> <li>■ 1 Headphone-out with S/PDIF jack (Right side)</li> <li>■ 1 DC-in jack(Rear side)</li> <li>■ 1 RJ-11 jack for 56Kbps V.90/92 Modem(Rear side)</li> <li>■ 1 RJ-45 jack (Left side)</li> <li>■ 1 Kensington lock (Left side)</li> <li>■ 1 ExpressCard/54 (Left side)</li> <li>■ 1 PCMCIA Type II (Left side)</li> <li>■ 1 3-in-1 Flash Card Reader(SD/MMC/MS) (front side)</li> <li>■ 1 IEEE 1394 (4-pin, left side)</li> <li>■ Two way communication switch (Left to off, Right to on)</li> <li>■ Internal microphone x 1(in LCD module)</li> </ul>
System Status LED Button	<ul style="list-style-type: none"> <li>■ 3 K/B indicators: Caps Lock(Green), and Num Lock(Green), Scroll Lock(Green)</li> <li>■ 1 Power Button LED(Green)</li> <li>■ 1 LED for IDE HDD activity (Green)</li> <li>■ 1 LED for System status (Power On / Suspend)(Green)</li> <li>■ 1 LED for Battery status (Charging / Full / L1 / L2) (Green / Amber)</li> <li>■ 1 LED for Wireless Card (Amber)</li> <li>■ 1 3-in-1 card reader (Green)</li> <li>■ Wireless LAN Led status <ul style="list-style-type: none"> <li>◆ Kill switch on: Slow blink</li> <li>◆ Searching: Fast blink</li> <li>◆ Connection: On</li> <li>◆ File transfer: Fast blink</li> </ul> </li> </ul>
Controls	<ul style="list-style-type: none"> <li>■ Power button x 1</li> <li>■ Magnetic lid switch control for system standby/wakeup or suspend/resume</li> <li>■ One Switch to On/Off Wireless Device for wireless control</li> </ul>
User Keys	<ul style="list-style-type: none"> <li>■ Control button for short-Cut key functions <ul style="list-style-type: none"> <li>◆ 2 User Define buttons</li> <li>◆ 1 Internet (Explorer) button</li> <li>◆ 1 E-mail (Outlook) button</li> </ul> </li> </ul>
AC adapter (CBB*)	<ul style="list-style-type: none"> <li>■ Universal AC adapter. 90-264V AC, 47-63HZ <ul style="list-style-type: none"> <li>◆ 75W with 19V DC</li> <li>◆ 3 pin 240V AC cable</li> </ul> </li> </ul>

<b>Battery Pack &amp; Life (CBB*)</b>	<ul style="list-style-type: none"> <li>■ 6-cell LI-ION of 18650 size battery pack .( 10.8V x 4800mAh)</li> <li>■ Life Cycle: 70% Design Capacity after 300 Cycles in 25degreeC</li> <li>■ 4 hours to complete battery charge from energy empty to full when system off</li> </ul>
<b>Software</b>	<ul style="list-style-type: none"> <li>■ Phoenix First BIOS</li> <li>■ Suspend to RAM/Disk</li> <li>■ No support APM</li> <li>■ Security: Power-On Password, Supervisor Password, HDD password</li> <li>■ USB memory Boot support</li> <li>■ Support SMBIOS 2.3, PCI2.2.</li> <li>■ ACPI 2.0 compliance with Intel Speed-step Support C1, C2, C3, C4 and S3, S4 for mobile CPU</li> <li>■ DMI utility for BIOS serial number configurable/asset tag</li> <li>■ Support PXE</li> <li>■ Wake on LAN from S3</li> <li>■ Wake on LAN form S4 in AC mode</li> </ul>
<b>Dimensions/Weight</b>	<ul style="list-style-type: none"> <li>■ Dimensions : 362(W)x265(D)x31.7(H)mm, 38.9mm in rear side</li> <li>■ Weight: <ul style="list-style-type: none"> <li>◆ Less than 2.73Kg with 15.4"WXGA &amp; 6cell battery (TBD)</li> </ul> </li> </ul>
<b>OS</b>	<ul style="list-style-type: none"> <li>■ Windows XP HE(SP2),</li> <li>■ Windows XP Pro(SP2)(with PC 2001 LOGO, and K/B LOGO)</li> <li>■ Windows Vista design ready</li> </ul>
<b>Mini Card</b>	<ul style="list-style-type: none"> <li>■ One Mini card slot for WLAN</li> </ul>
<b>Security</b>	<ul style="list-style-type: none"> <li>■ HDD Password</li> <li>■ Kensington lock</li> </ul>
<b>Regulatory</b>	<ul style="list-style-type: none"> <li>■ EMI: FCC-B, CE, CCC, A,C-Tick, VCCI, BSMI</li> <li>■ Safety: Compliant to UL/CSA, TUV, CB</li> <li>■ PTT: FCC-Part 68, CTR 21</li> <li>■ MDA2005 Compliant</li> <li>■ Energy Star</li> <li>■ WHQL LOGO</li> </ul>
<b>Environment</b>	<ul style="list-style-type: none"> <li>■ Temperature: <ul style="list-style-type: none"> <li>◆ Operating: 5 - 35°C</li> <li>◆ Storage: -20 - 65°C</li> </ul> </li> <li>■ Humidity: <ul style="list-style-type: none"> <li>◆ 10 - 90% without condensation.</li> </ul> </li> <li>■ Altitude: <ul style="list-style-type: none"> <li>◆ Operating sea level up to 10,000 ft</li> <li>◆ Storage sea level up to 40,000 ft</li> </ul> </li> </ul>

\*Common Building Blocks ([www.intel.com/go/interchange](http://www.intel.com/go/interchange))