

## ILS21HL specifications

Unit	Brand	Specification	remark
Mainboard	Norco	<b>CPU:</b> supports Intel Penryn/Core 2 Duo /Celeron M processors, 800/1066MHz Front Side Busbar P7350 – 2 GHz installed	<ul style="list-style-type: none"> <li>◇ Support Infrared,</li> <li>◇ Support GPIO</li> <li>◇ Support BIOS Gas Defense</li> <li>◇ Support Instant Recovery</li> <li>◇ Support LVDS</li> </ul>
		<b>System Memory:</b> 2x204-Pin DDRIII 800/1066MHz SO-DIMM, Maximum 8GB, 2GB installed	
		<b>Chipset:</b> Intel GM45+ICH9EM	
		<b>I/O chip:</b> Winbond W83627DHG-P	
		<b>Ethernet:</b> Realtek 8111C, 1000Mbps, 2x RJ-45	
		<b>BIOS:</b> 8M-bit SPI Flash	
		<b>Watchdog:</b> timer included	
		<b>State Detection:</b> voltage, fan speed and temperature	
		<b>Display:</b> support VGA,DVI,HDMI,LVDS and TV-OUT display output	
		<b>Controller:</b> Intel GM45with integrated GMA 4500MHD	
		<b>Video card Memory:</b> Dynamically shared 512MB system RAM	
		<b>Resolution:</b> CRT Maximum 2048×1536@85Hz, LCD Maximum 1920×1080@60Hz	
		<b>Storage:</b> 2xSATA II,1xCF	
		<b>Audio:</b> Realtek ALC888, Speak-out, Line-in	
		<b>Working temperature:</b> 0℃~60℃	
<b>Storage Humidity:</b> -40℃~80℃			
<b>Working Humidity:</b> 0%~95% relative humidity, no condensation			
CPU	Intel	<b>Suitable Type:</b> laptop CPU	
		<b>CPU Series:</b> Core 2 Duo P7350 installed	
		<b>Core Quantity:</b> 2	
		<b>Core Type:</b> Penryn-3M	
		<b>Basic Frequency:</b> 2000 MHz	
		<b>Front Side Busbar:</b> 1066 MHz	
		<b>Execution Craft:</b> 45nm	
		<b>First-level code cache:</b> 32 KB per core	
		<b>First-level data cache:</b> 32 KB per core	
		<b>Second-level cache:</b> 3 MB (On-Die, ECC, ASC, Full-Speed)	
		<b>Maximum Power Cost:</b> 25w	
		<b>Package Measure:</b> 35mm*35mm	
Cooler	Cooler Master	<b>All Copper Radiator, Silent Fan</b>	
Memory	Kingston	<b>Type:</b> DDRIII	Single memory
		<b>Basic Frequency:</b> 1333MHz	
		<b>Capacity:</b> 2GB	

Hard Drive	Seagate	<b>Interface:</b> SATA 3Gb/s	
		<b>Cache:</b> 16MB	
		<b>Capacity:</b> 320GB	
		<b>Size:</b> 2.5"	
		<b>Rotating Speed:</b> 7200 RPM	
		<b>Supports G-Force Protection technology</b>	
		<b>Supports SmartAlign™ technology</b>	
Optical Drive	H-L	<b>Type:</b> slot-in	
		<b>Standard:</b> Combo	
		<b>Interface:</b> SATA	
		<b>Cache:</b> 2MB	
Power	delta	<b>Power Rating:</b> 250w	PFC initiative
		<b>Input Voltage:</b> 100-240V/47-63Hz	
		<b>Certification:</b> CE、FCC、CCC etc.	
Display	LG	<b>Panel Size:</b> 54.61 cm (21.5 inch)	IPS technology, achieves color consistency in almost any viewing angle
		<b>Aspect Ratio:</b> widescreen (16:9)	
		<b>Panel Type:</b> IPS (in Plane switching)	
		<b>Optimum Resolution:</b> 1920 x 1080, 60 Hz	
		<b>Contrast Ratio:</b> 1000:1 (typical) , 10,000:1 (dynamic)	
		<b>Brightness:</b> 250 candela/sq.m. (typical)	
		<b>Response Time:</b> 8 ms (gray scale to gray scale)	
		<b>Angle of view:</b> Vertical 178°/ horizontal 178°	
		<b>Color Gamut:</b> 82 %2 (100 % s RGB coverage)	
		<b>Color Depth:</b> 16.7 M	
		<b>Pixel Space:</b> 0.247 mm	
		<b>Voltage:</b> 100 to 240 VAC/50 or 60 Hz ± 3 Hz/1.5A (typical)	
<b>Power Cost:</b> 22 W (typical)			
Touch Screen	VTouch	<b>Type:</b> 5-line resistive	
		<b>Material:</b> 2mm tempered glass	
		<b>Loop Resistance:</b> X:20~500 Ω , Y:20~500 Ω	
		<b>Linear:</b> X≤1.5%, Y≤1.5% (See Figure 10-2)	
		<b>Reaction Time:</b> ≤12ms	
		<b>Insulation Resistance:</b> ≥20M Ω /25V(DC)	
		<b>Transmittance:</b> ≥80%	
		<b>Coating:</b> Antiglare Finish:9.5% ± 2%	
		<b>Touch test:</b> 3500 Million	
Bluetooth adapter	Motorola	<b>Chip Type:</b> Class 1	
		<b>Compatibility:</b> Bluetooth 1.1 and 1.2	
		<b>Type:</b> Usb2.0	
Broadcom Wireless	TP-LINK	<b>Interface:</b> Usb2.0	
		<b>Standard</b> IEEE 802.11n(draft 2.0)	

LAN driver		<b>Transmission Speed:</b> Maximum 150mbps	
		<b>Frequency Range:</b> 2.4-2.4835GHz	
		<b>Active Channel State:</b> 1-13	
		<b>Transmitted Power:</b> 20dBm (maximum)	
		<b>Antenna:</b> External 4dbi detachable	
Front data storage access		<b>Usb2.0:</b> 4 x	
	HL-DT-ST	<b>DVD-ROM:</b> 1x	
	STW	<b>CF/MD:</b> 1x	
		<b>SD/MMC/T-FLASH:</b> 1x	
		<b>XD/SMC:</b> 1x	
	<b>MS:</b> 1x		
Mike socket		For 3-pin XLR mike (gooseneck MIC included)	phantom power permitted
Reading light socket		3 Pin XLR socket for reading light (gooseneck LED light included)	
Console		2 lift control buttons	
		1 light control button	

**The ILS 21H has been certified for meeting the following standards:**

**CE** - cert. # SEM10084384

**FCC** - cert. # SEM10086539

**RoHs** - cert. # SEM10082155