

# LCD Services

## Introduction

LCD screens make a popular combination with Advantech's CPU cards, biscuit PCs and POS series products, such as the PCM-9580/9375, SOM-5580/4481, and AIMB-763/252, as well as products that use the Intel and AMD chipsets. Achieving the correct lighting on LCDs is difficult without technical expertise, and Advantech provides LCD lighting and integration services to assist our customers in setting up their systems. Advantech's LCD lighting guide explains how to make connections between LCD interfaces and LCD panels, as well as how to control contrast, brightness, VEE source, LCD inverter, and all other factors that affect the successful installation of LCD panels.

## The following information details our LCD lighting services:

- This service is valid only for Advantech products that include LCD support
- The customer should send the following LCD components for service:
  - DC-AC inverter and cable (i.e. connector with/without wires) and data sheet
  - LCD flat panel and cable (connector with/without wires) and complete data sheet
- Advantech will normally charge the customer a deposit. The deposit will be refunded when servicing exceeds a minimum volume
- The customer must sign the agreement and fax it to us prior to sending the LCD package. Advantech reserves the right to refuse service if the customer cannot provide the required documents and auxiliary parts
- Advantech will supply a BIOS file and connection table to the customer upon completing the service
- A minimum of seven working days is required for completion of service, starting from receipt of the LCD package by Advantech

Please contact our customer service department for more detailed information and service files.

See our web site at:

<http://www.advantech.com/support>

**Model Number:** **AMD Turion™ M690E**  
(AIMB-221)  
**AMD Geode™ LX800**  
(PCM-9375/SOM-4455, SOM-2355/PCM-4153, PCM-3353)  
**Intel® 965GME**  
(AIMB-556/AIMB-256)  
**Intel® 945GM**  
(SOM-5782/SOM-4780)  
**Intel 945GME**  
(AIMB-554)  
**Intel 915GM**  
(SOM-5780/PCM-9584)  
**Intel 915GME**  
(AIMB-552)  
**Intel 845GV/855GME/852GM**  
(PCM-9580/9581, SOM-5580/4481/4486, AIMB-340/251)

**VGA Chip function:** **AMD N690E**-48-bit  
**AMD Geode LX800**-24-bit TTL / 18-bit LVDS  
**Intel Q35** (with chrontel/CH7308 up to 48-bit LVDS)  
**Intel 965GME**-48-bit  
**Intel 945GM**-36-bit LVDS (with chrontel/CH7008 up to 48-bit LVDS)  
**Intel 915GM**-36-bit LVDS (with chrontel/CH7008 up to 48-bit LVDS)  
**Intel 845GV/855GME**- up to 36-bit LVDS (with chrontel/CH7017 up to 48-bit LVDS)



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