

LUXPAD PRODUCT BRIEF

Synaptics' LuxPad™ interface device is designed with the consumer in mind. This innovative solution illuminates the TouchPad™ surface - it literally glows. With style and design so critical to notebook consumers, every part of the notebook PC design, including the interface solution, reflects this trend.



The LuxPad solution gives notebook designers customization options by offering an array of colors to choose from. Designers can opt to specifically illuminate a logo or design at the center of the LuxPad, or the entire sensor. The Synaptics LuxPad driver allows the user to customize the LuxPad experience. The illumination can be configured to always glow, remain off, or even respond to the user's touch. The result is a user-friendly interface solution that creates pride of ownership, appeals to the individuality of today's consumers, and is a unique differentiator for OEMs who want to target the growing consumer notebook market.

The LuxPad device is a combination of Synaptics' industry leading capacitive technology and new, patent-pending technology. LEDs, coupled with a light diffusing substrate, create the unique glowing surface. By combining different LEDs with tinted facesheets, the LuxPad device is available in colors to match the OEM's industrial design and branding requirements.

LuxPad provides a unique opportunity to OEMs and ODMs to differentiate their notebook PCs in today's competitive consumer marketplace, while offering the performance and reliability of a Synaptics solution.

Enriching the Interaction » between humans and intelligent devices

KEY FEATURES & BENEFITS

Differentiation - The unique illumination of the LuxPad device offers notebook designers a way to attract consumers and differentiate themselves from the competition.

Design Flexibility - The LuxPad illumination comes in many colors to coordinate with the industrial design of the notebook. It is also available in a variety of sizes and shapes to meet the OEM design requirements.

Branding Opportunity - The logo illumination option offers OEMs a unique way to highlight their brand.

Configurable - Users can easily personalize the LuxPad according to their preferences.

Proven Technology - While enhancing the style of the notebook PC, the LuxPad devices provide the superior performance and reliability that is hallmark of Synaptics TouchPad products.



PHYSICAL SPECIFICATIONS

Thickness:	1.96mm base thickness + 1.85mm max components height
Width & Height:	(1) 93.97 x 56.6mm PCB, 76.9 x 44.6mm active area (2) 88.70 x 56.7mm PCB, 71.9 x 41.7mm active area (3) 81.00 x 58.0mm PCB, 60.8 x 44.8mm active area (Custom sizing available. Please contact your local sales rep.)
Rated Life:	>1 million uses

ENVIRONMENTAL SPECIFICATIONS

Operating Temperature:	0° C to 60° C
Operating Humidity:	5% - 95% relative humidity, non-condensing
Storage Temperature:	-40° C to 65° C
ESD:	15 kV applied to front surface (when properly mounted)

ELECTRICAL SPECIFICATIONS

Power Supply Voltage:	5.0 Volt \pm 10%
Power Supply Current:	3.0 mA nominal operating current for Touch Sensing 42.0 mA nominal LED illumination

OPERATING SPECIFICATION

Communications Protocol:	PS/2®
X/Y Position Resolution:	>1,000 points/inch (40 points/mm)
O/S Support:	Microsoft® Windows® 2000, XP, Vista

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