

From the inventor of major patents for the PDA form-and-function, with tens of millions of units licensed by Fortune 500 companies, and the creator of trendsetting products of the barcode-based handheld computers, comes a game-changing concept for tablets and netbooks. Patent licenses and the inventor's consultations are available with exclusivity in selected market segments.

The Docking Display — a new kind of smartphone peripheral

An eReader/tablet can be created simply by encasing an e-paper/LCD display with a docking-port for selected smartphones. When docked, the smartphone doubles as the combined unit's central processor, wireless modem, and possibly the navigation pad. Thereby, the new concept does away with the current industry practice of duplicating almost all the electronics of a smartphone inside the eReader/tablet.

SIMPLIFIES AND CUTS COST: Since the Docking Display concept eliminates the CPU and the wireless circuit from the new product, it greatly simplifies and cuts the cost through the entire supply chain — engineering, manufacturing, and the maintenance of the product.

TWO PIECES HELD AND CHARGED AS ONE: The Docking Display concept allows the display unit and the smartphone to be used, carried, and charged as one unit. So, unlike the non-docking alternatives such as the Celio Redfly and the never-released Palm Foleo, the Docking Display products will preserve the one-piece advantage of their older standalone counterparts while delivering the lower cost and simplicity over them.

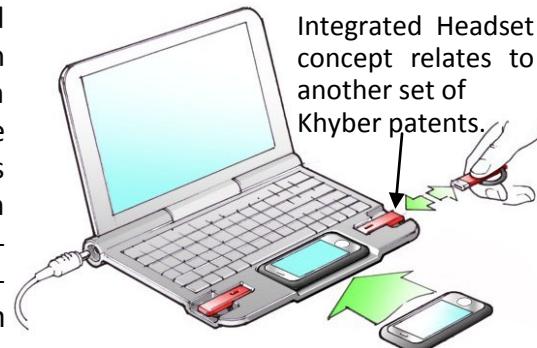
DIVERSITY OF THE FORM-FACTOR: □ Besides the eReader/tablet form factor, the Docking Display concept can be applied to new handhelds and notebooks of various sizes and functionalities. □ The docking port can be located on the front or the back of the display unit depending on the desired form of the user interface. □ An adjustable mechanism lets the port adapt to selected smartphones of varied sizes. A short cable helps adapt to variations in electrical connectors. □ Low-power units can be designed to draw power from the smartphone. Higher-power LCD units can have embedded battery that can also charge the smartphone.

In a crowd of mobile devices with similar CPUs, OSs, and networks, unique form-and-function can deliver badly needed product differentiation in a very visible way to consumers. The Docking Display presents such an opportunity for non-competing entities to create innovative products and employ the patents as a barrier to entry in their segment.

The Docking Display concept relates to and is licensed under US patents 7,120,462 and 7,831,276; Chinese patents ZL00801049.8 and ZL200710109224.6; and Canadian patent 2336118, all now owned by a leading IP company. The concept also relates to a family of pending US, Chinese, and Indian patents owned by Khyber Technologies Corp.



↑ Examples of the patent's use in two of several form factors.
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Integrated Headset concept relates to another set of Khyber patents.