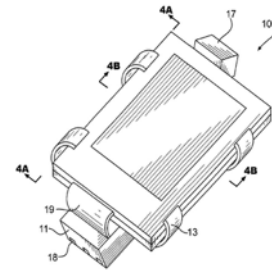


**SIZE-ADAPTABLE ADD-ON MODULE** adds new functions to smartphones and tablets of different sizes. Especially suited for vertical enterprise applications.

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A consumer application can be to add a tactile keyboard to smart phones of varied sizes. An application for use in retail stores and warehouses can be to add industrial grade barcode and RFID readers with a scanning gun style handle and a trigger, thereby transforming a smartphone into an AutoID style portable data entry device.



POSSIBLE USE OF THE PATENTS IN THE INDUSTRY:



Khyber developed an add-on peripheral module that integrated a RFID reader and a keypad around off-the-shelf PDAs. The resulting device had portable data entry attributes, except with better price-performance than dedicated units, which are developed and maintained just for the niche applications. The add-on module captured the PDA between two arms, which were movable through a screw adjustment to adapt to PDAs of different widths. A drop-in cradle charged the integrated unit in similar fashion as conventional AutoID units. The prototype was developed for a client, Alien Technologies Inc, who decided not to diversify into RFID reading terminals at the time. However, the concept was successfully proven and enhanced because of that development.

AutoID players continue to use dedicated niche devices and have managed to stay away from using smartphones and tablets. The size-adaptable add-on module concept can change all that by adding desired attributes AutoID industry likes and still employ off-the-shelf mobile devices to cut cost, reduce the size and weight and, above all, increase the flexibility and performance.

**Some of desired attributes that may be integrated in a an add-on module are:**

- |                              |                                   |
|------------------------------|-----------------------------------|
| 1. Laser barcode scanner     | 7. Connector for a drop-in cradle |
| 2. RFID scanner              | 8. Louder beeper                  |
| 3. Scan trigger              | 9. Special communications module  |
| 4. Scan-handle (collapsable) | 10. External charging cradle      |
| 5. Data entry keypad         | 11. External gang-charger         |
| 6. Swappable battery pack    | 12. Theft prevention lock         |

***Prospects: Makers of AutoID Mobile Devices***