



# Mobile Interface Solutions

from

***Elan Digital Systems***

[www.elandigitalsystems.com](http://www.elandigitalsystems.com)





**Focusing on  
solutions to  
tomorrow's  
requirements  
for high performance  
interface**



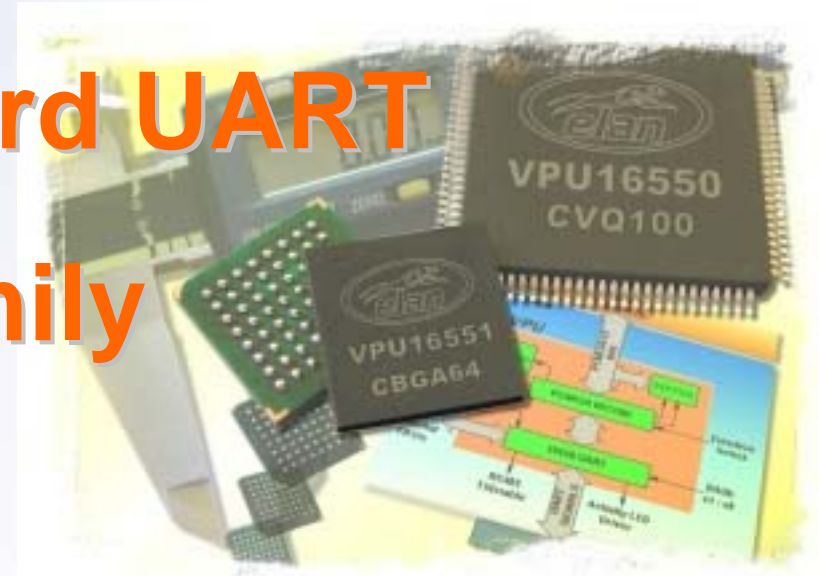
## PRODUCT AREAS

- Chip level solutions
- PC Card & CF Card Solutions



## Chip Level Solutions

# Versatile PC Card UART (VPU) Family



for PC Cards & CF cards that  
require a serial data  
connection

## **Applications include:**

- *Bluetooth radio*
- *RS232, 422, 485 interface cards*
- *Scanner interface*
- *Smart transmitters/tags*
- *RF modules with Serial I/O*
- *GSM, GPRS radio modules*
- *CDMA radio modules*
- *GPS modules*





## ***The user benefits of the VPUs include:***

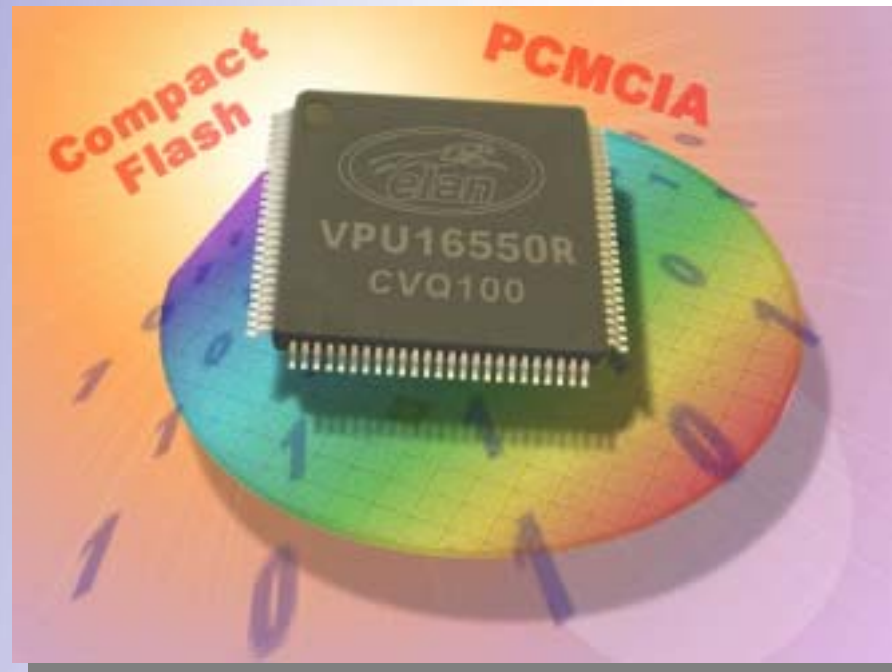
- "Parallel port" access to TX and RX buffers (from card side) for designs that cannot use serial
- Built-in pull-up and pull-down resistors
- UART register activity LED driver
- Multi-function support. Up to 8 VPUs in one card, or share with another logical function



**2 x VPU package options  
available**

# VPU16550

Ultra-thin 100-pin VQFP package

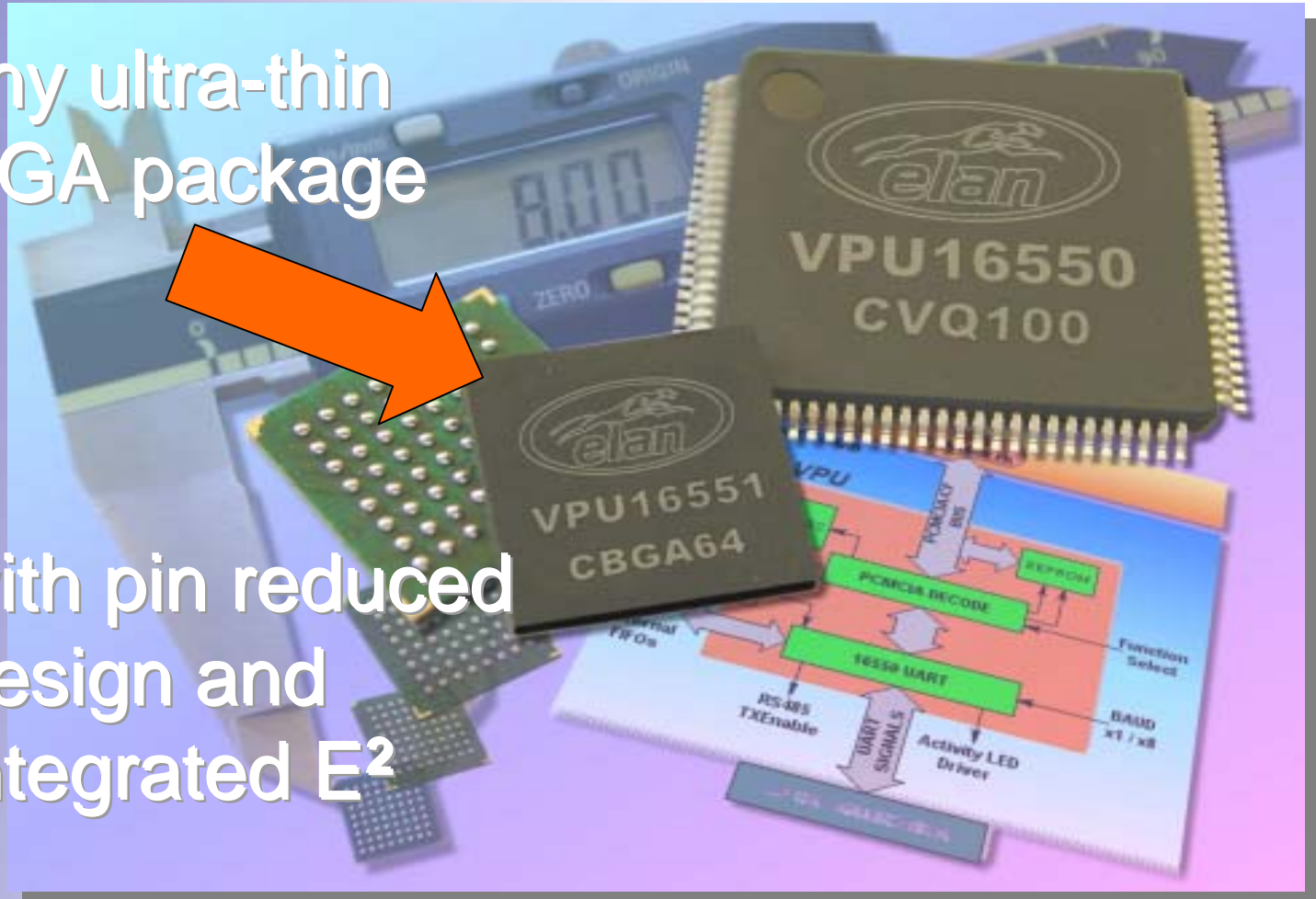


and...



## VPU16551

- tiny ultra-thin BGA package
- with pin reduced design and integrated E<sup>2</sup>





## Reference Kit available including:

- *samples devices*
- *a sample card*
- *support software tools*
- *Card Information Structure generation*
- *a programming utility*

simplifying evaluation and test



# VPU16550 & VPU16551

Extensions to the VPU  
family planned for 2003



# PC Card range incorporating VPU

- *SL232 Single Port RS232 1MBaud Comms PC Card with power output*
- *IC232 Single Port RS232 115KBaud Opto-isolated Comms PC Card*
- *SL232 Dual Port RS232 1MBaud Comms PC Card*
- *SL385 Dual Port RS232/422/485 1MBaud "Universal" Comms PC Card*
- *SP230 Single Port RS232 and Centronics parallel port Comms PC Card*

# CF Card range incorporating VPU

- *CF232 Single Port RS232 1MBaud CF Comms Card*
- *CF232-5 Single Port RS232 1MBaud CF Comms Card with power output*
- *CF428 Single Port RS422/485 1MBaud CF Comms Card*





# Elan Custom Design Service

*Enquiries for new card designs  
welcome*

