

- Products ▾
- Solutions ▾
- Technologies ▾
- Support ▾
- How To Buy ▾
- Partners ▾
- About Elo ▾
- Resources ▾

[Home](#) > [Products](#) > [Touchscreens](#) > [AccuTouch](#) >

AccuTouch COACH V Controller Chip

The COACH V (Controller On A Chip, 5th generation) (Part # E196429, RoHS Compliant) is a compact universal resistive touchscreen controller chip solution. It supports both serial and USB communication interfaces and is capable of interfacing to either AccuTouch five-wire resistive touchscreens. Regardless of the configuration, operation is automatically detected on power up and needs no user intervention. The COACH V fully supports the Elo SmartSet protocol and all program drivers, both serial and USB.

Quick Links

- [COACH comparison table](#)
(41.4K PDF)

Features

- Single chip ASIC design for compact integration
- Supports both USB and RS232 interfaces with autodetection
- Serial Interface:
 - bidirectional communication as a DCE
 - 2,400, 4,800, 9,600 and 19,200 baud rates supported
 - Frame configuration 8 data, 1 stop, No Parity, Full Duplex
 - Hardware handshaking supported: DSR, DTR, RTS, CTS
- USB Interface:
 - Full speed USB device
 - Self-powered
- Supports five-wire touchscreens with autodetection
- Resolution: 4096x4096, size independent
- Conversion time approximately 10 ms per coordinate set
- Improved measurement algorithm eliminates the need for touch filter adjustments
- Full AccuTouch SmartSet protocol
- Multiple output formats: Binary or ASCII
- E261-280, E271-140, E281A-4002 compatibility modes
- On-board calibration, coordinate scaling, and programmable output rates allow for application-specific performance tuning
- Configuration parameters including serial number are stored on the internal chip Flash memory
- Power requirements: 5 VDC, nominal (5.5 max); 37 mA (typical), and 60 mA (max); 3.3V is required with the maximum of 3.6Volts
- Average power consumption: 123 mWatt @ 5 volts
- 48-pin LQFP package (7 mm x 7 mm x 1.6 mm)
- Temperature:
 - Operating: -40°C to +85°C
 - Storage: -65°C to +125°C
- ESD rating (human body model): 2.0 kV
- Look up [product statement of compliance](#) by part number
- [RoHS Certificate of Compliance for COACH products](#)

 [Print Page](#)

Elo Touch Solutions
Quick Links

[Contact Us](#)
[Careers at Elo](#)
[Languages](#)
[Site Map](#)
[Newsletter](#)

Resources Quick Links

[Warranty Policies](#)
[Locate a Reseller](#)
[Find Documents & Drawings](#)

Legal

[Terms of Sale](#)