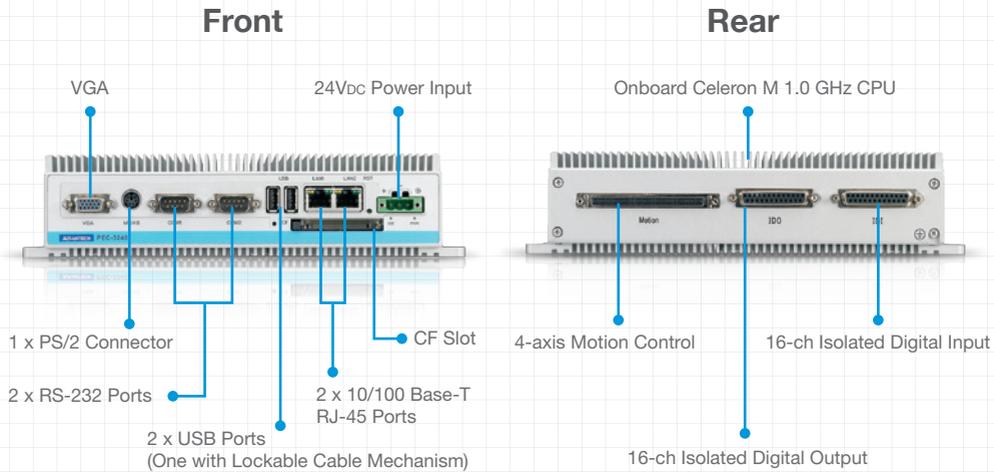


Product Outlook



Advantech Embedded Motion Controller

All-in-one Solution for Computing, Motion Control, and Digital I/O

- Overview
- Applications
- Features
- Product Outlook

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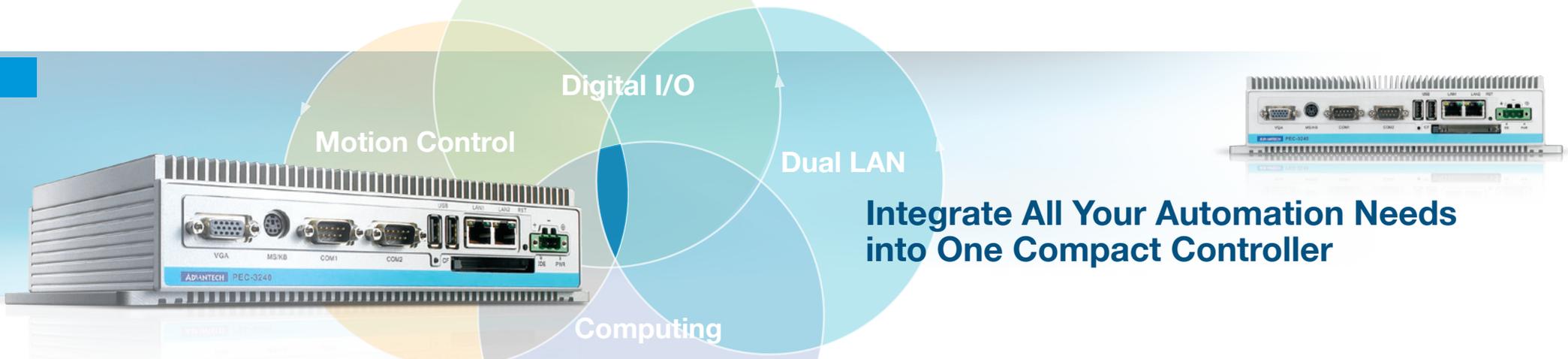
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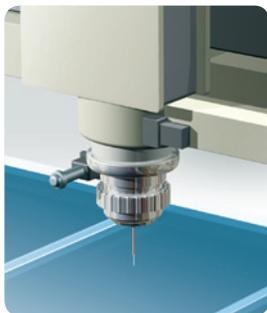
An Intel Celeron M Embedded Motion Controller with 4-axis motion control and 32-ch isolated digital I/O, PEC-3240 integrates processing, control and communications, providing users with one of the first all-in-one automation controllers on the market today. By providing a variety of motion control functions, such as 2/3-axis linear, 2-axis circular interpolation, continuous interpolation, T/S-curve speed profile and position limit detection, PEC-3240 is an ideal software-ready solution for general machine automation and testing applications.

Applications



Solar Tracker System

Requiring continuous exposure to direct sunlight, this tracking system needs a robust controller able to operate 24/7 under wide temperatures. Therefore, due to its fanless design with no moving parts, PEC-3240 is well suited to serve this market. Moreover, with PEC-3240's onboard 4-axis motion control functions, it can easily adjust the solar plates to the correct angle and direction of the strongest sunlight.



Small-sized Touch Panel Linear Tester

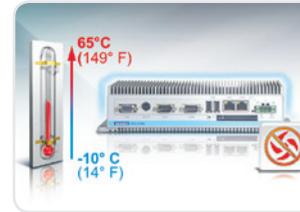
Due to its PC-based computing architecture integrated with motion control and digital I/O, PEC-3240 can handle a wide range of devices under test (DUT), such as touch panel profiles very quickly, greatly reducing development time. Its small size allows it to fit into space-constrained applications and its anti-vibration capabilities allow PEC-3240 to withstand vibration and noise interference during verification processes.

Features



Compact Size

PEC-3240 (255 x 152 x 59 mm) is 1/8 the size compared with standard industrial computers, even with built-in 4-axis motion control and 32-ch digital I/O functionalities, greatly saving space and development time.



Robust Design

Fanless, no internal cables, and diskless mechanisms allow PEC-3240 to operate under -10 ~ 65° C (14 ~ 149° F) without any heat issues.



Advanced Motion Control

To meet different demands for industrial automation, PEC-3240 provides a variety of motion control functions, such as 2/3-axis linear, 2-axis circular interpolation, continuous interpolation, T/S-curve speed profile and software limits.



Rich Interfaces

PEC-3240 features two USB ports, two COM (RS-232) ports, two 10/100 Base-T LAN ports, and two CompactFlash slots. These interfaces provide the capability to easily expand peripheral devices and modules.