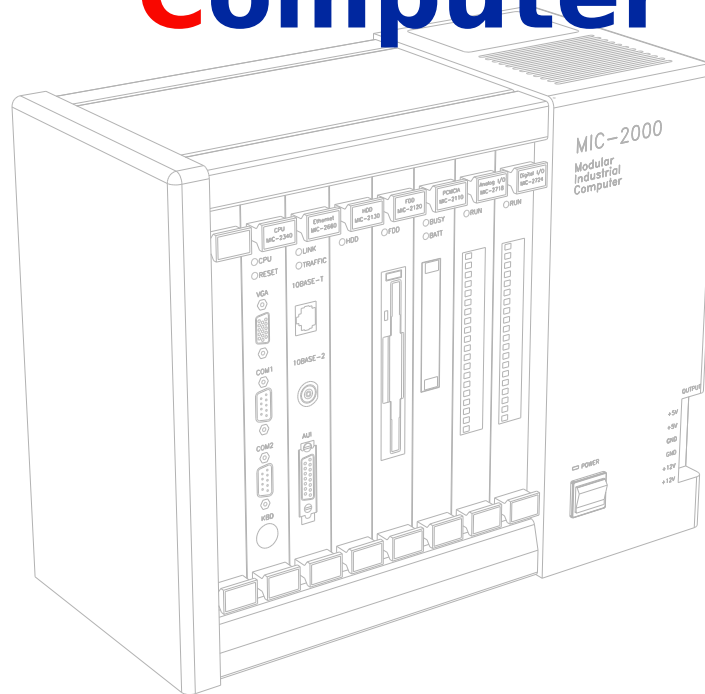


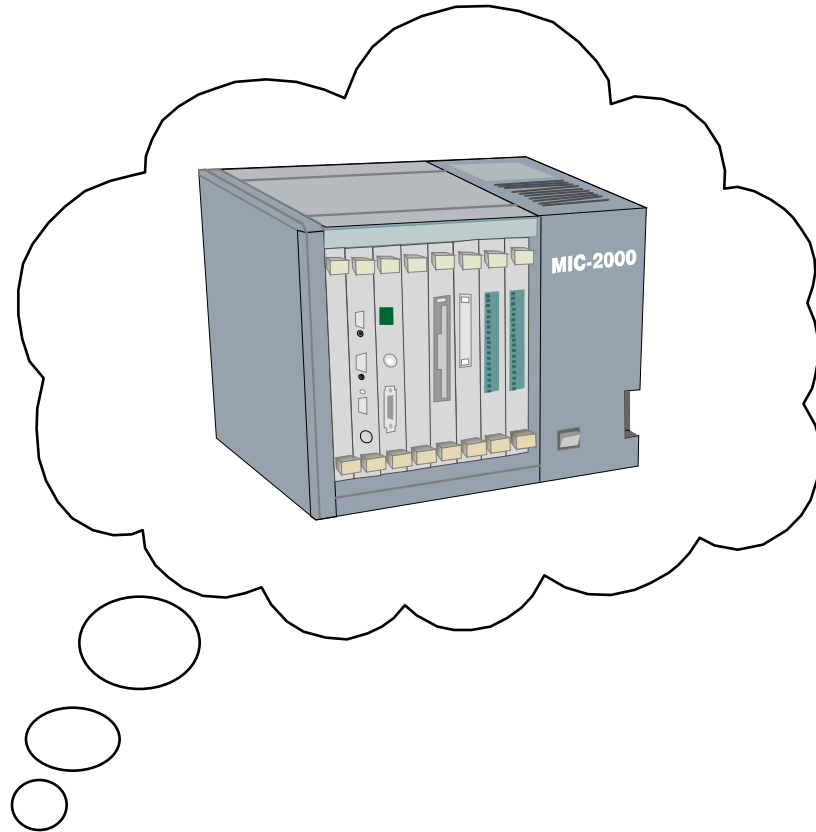
# MIC-2000 Series PC-based Modular Industrial Computer



**ADVANTECH.**

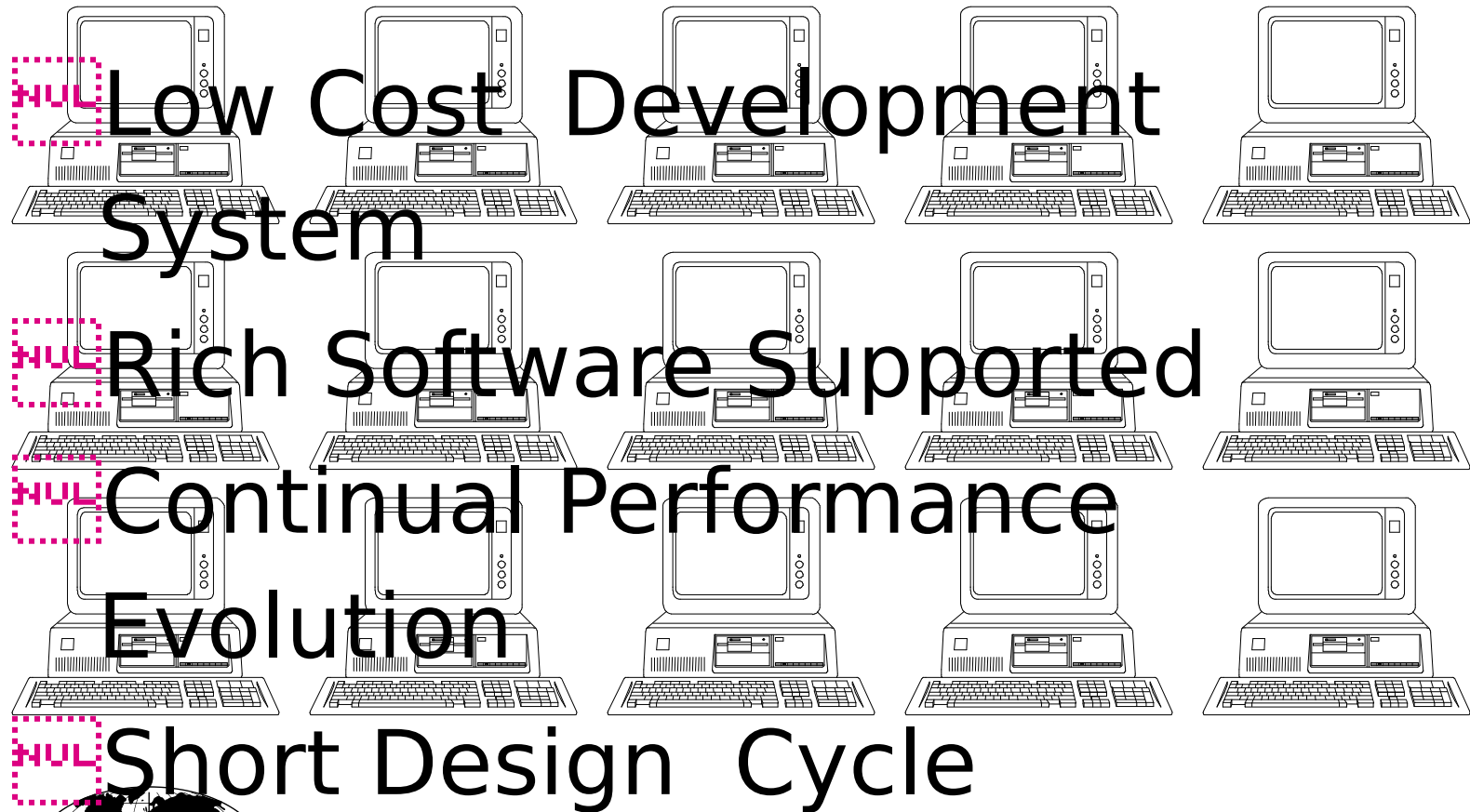
MIC  
2000

# Why Design MIC-2000 ?



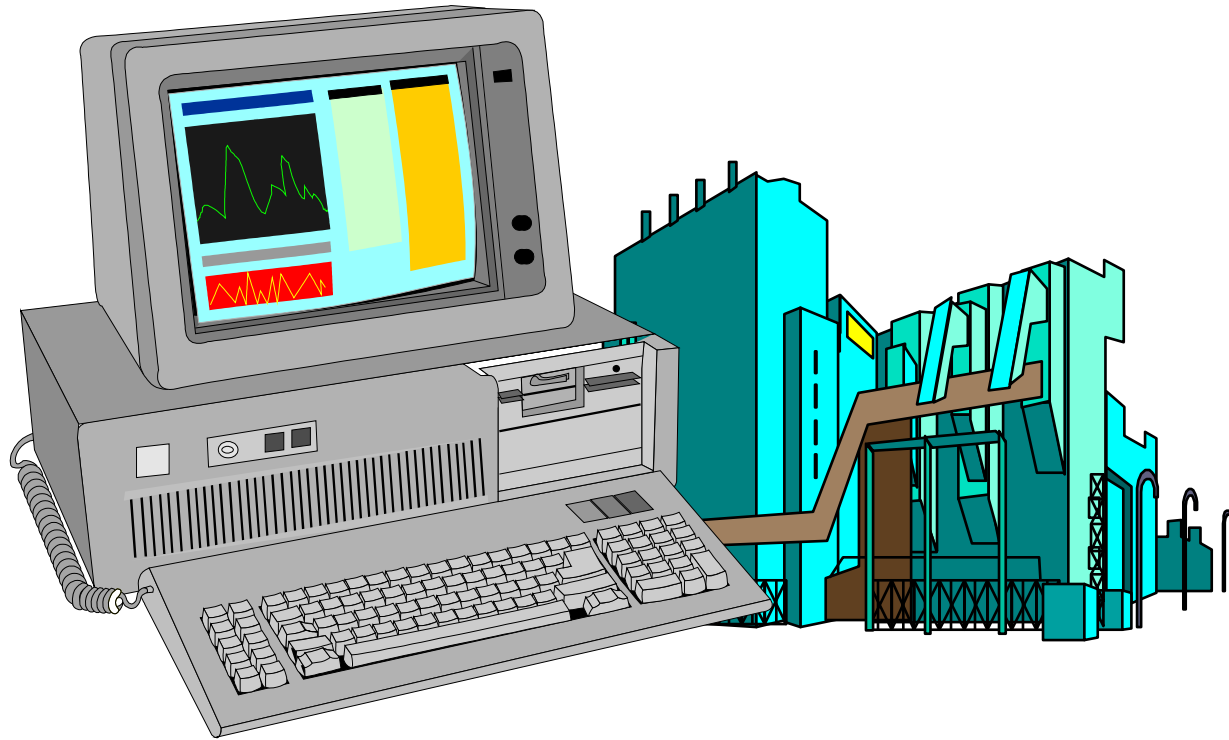
**ADVANTECH.**

# PC: Industrial Standard



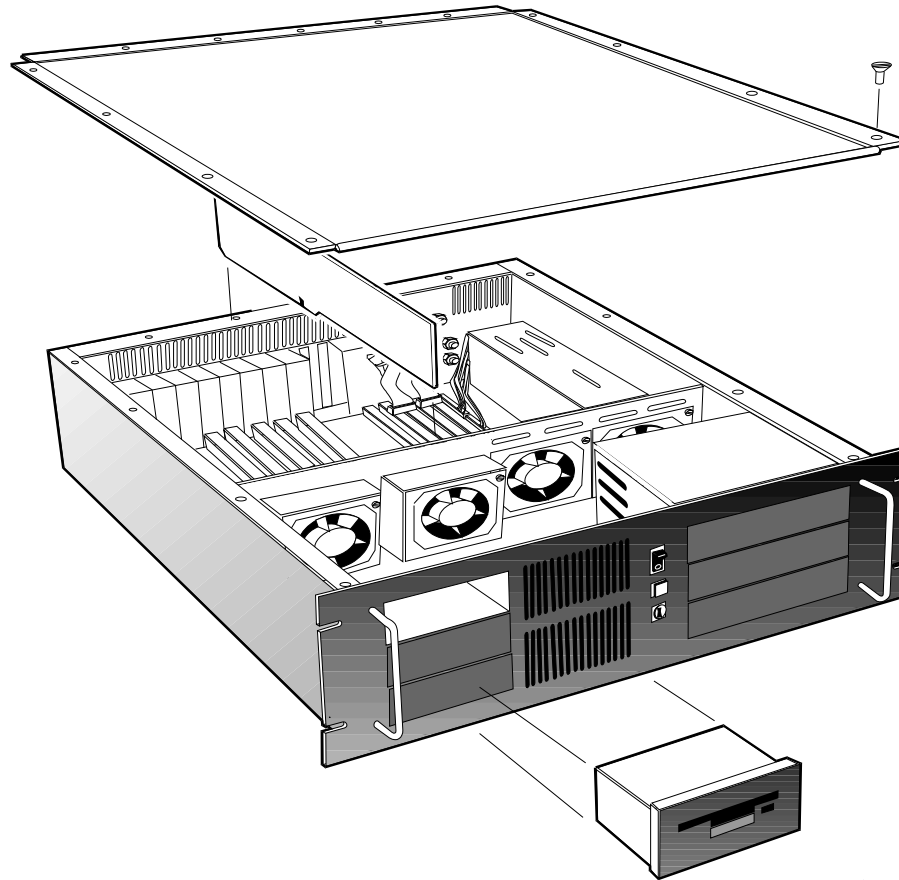
MIC  
2000

# PC in Industrial Control Applications



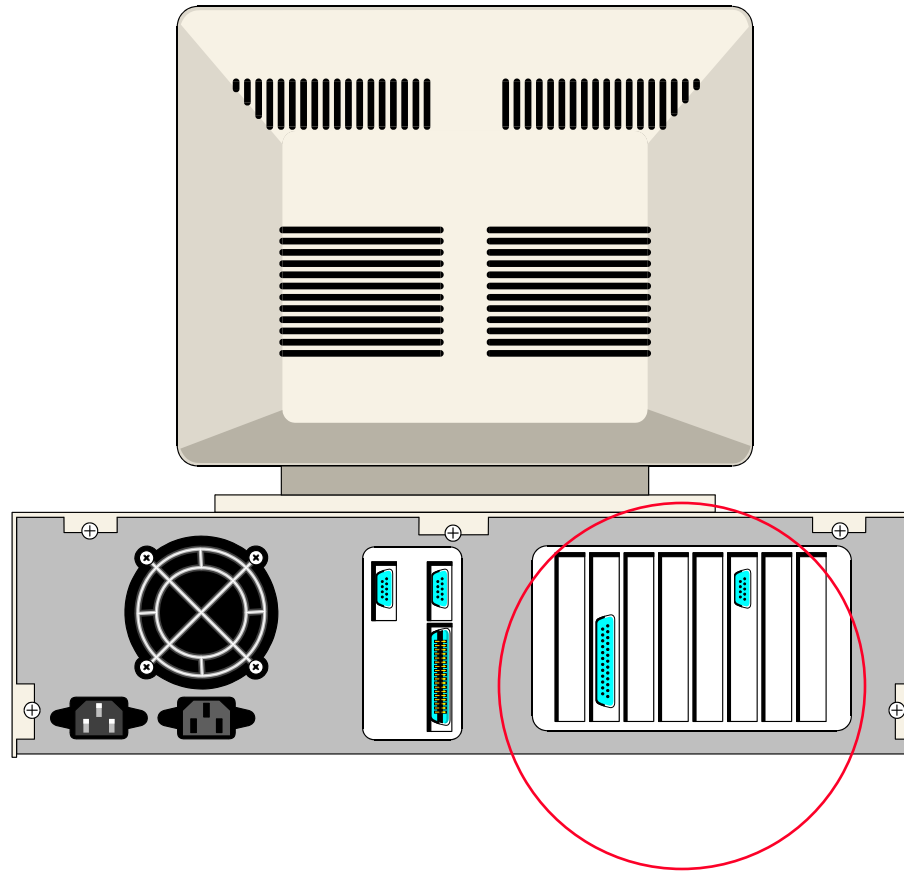
**ADVANTECH.**

# Motherboard Structure



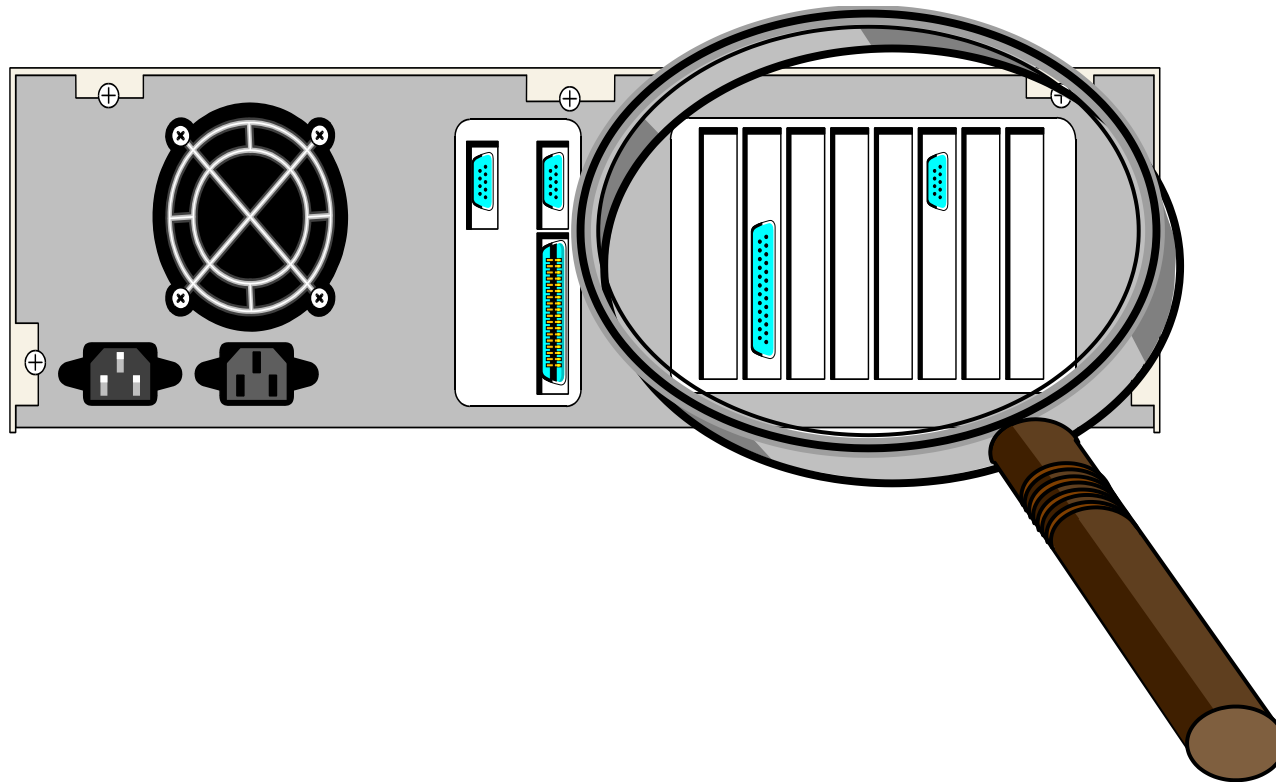
MIC  
2000

# Rear Panel Wiring

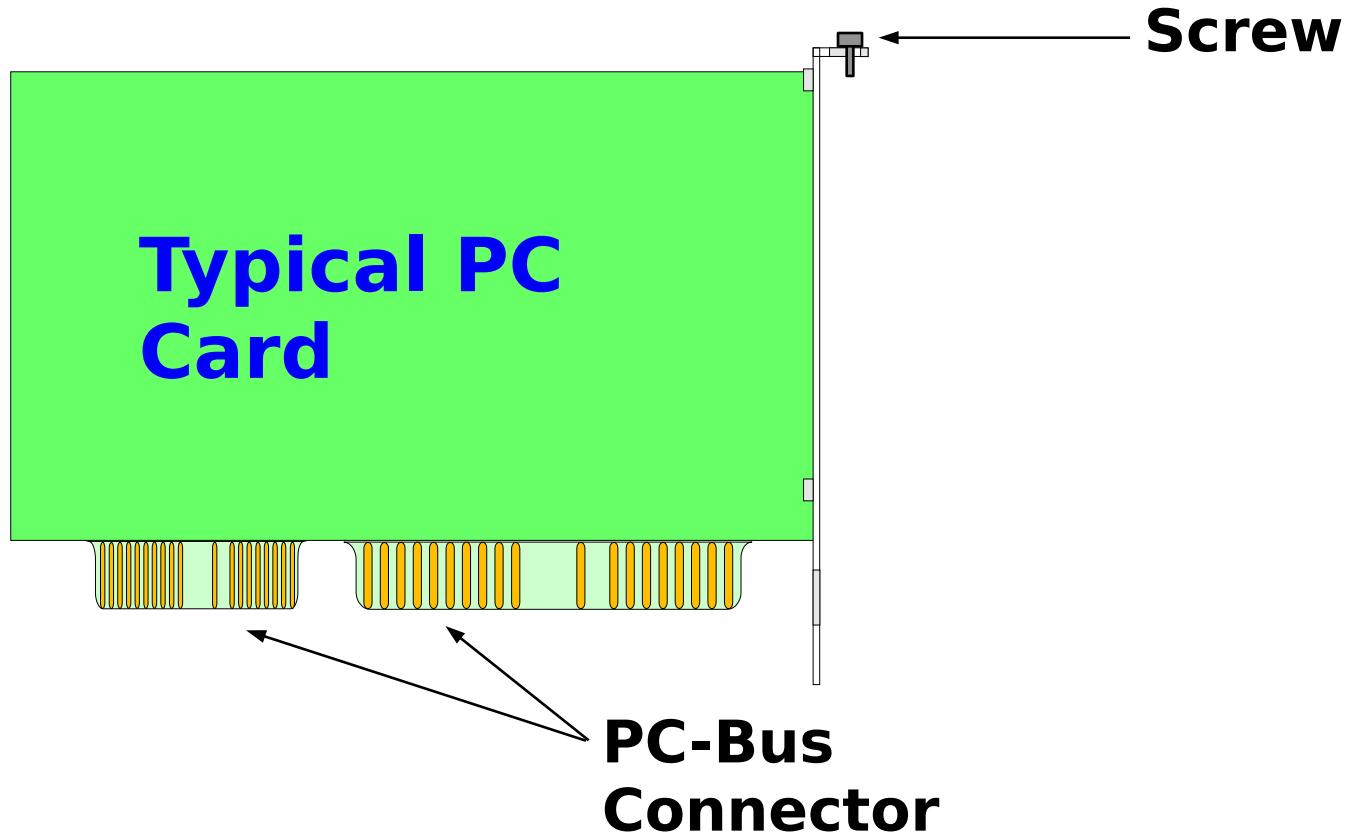


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# Limited Wiring Space

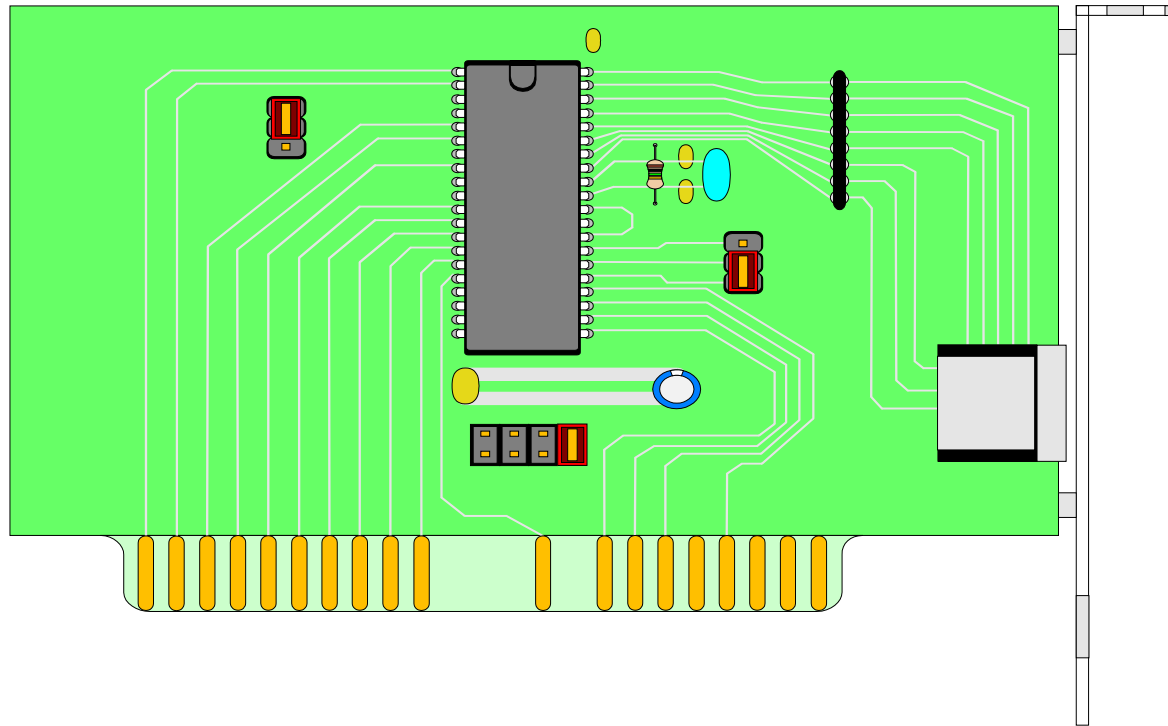


# 2-Point Mounting Scheme





# Limited Layout Scheme

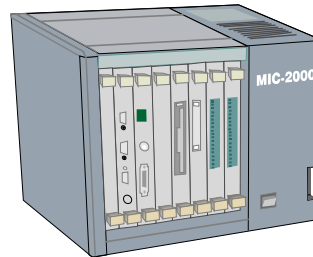


MIC  
2000

# Strategic Alliance



**ADVANTECH**®



 **MIRL**



**ADVANTECH.**

**MIC  
2000**

# **PC-Based CNC Controller**



**ADVANTECH.**

# Innovation of PC-based Industrial Computer

- Open ISA-Bus Architecture
- Flexible Modular Design
- Front Panel I/O Access
- Reliable and Easy Mounting
- Designed for Industrial Environment

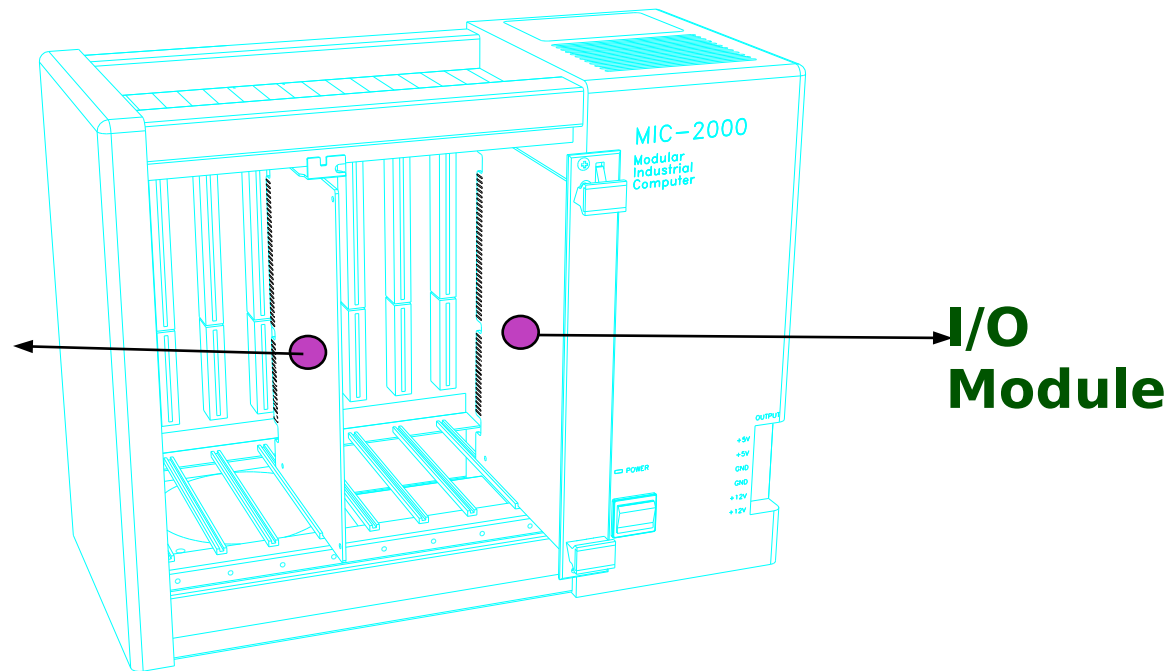


# Open ISA-Bus Architecture


 ISA-Bus Passive Backplane Technology


 PC-Compatible Platform

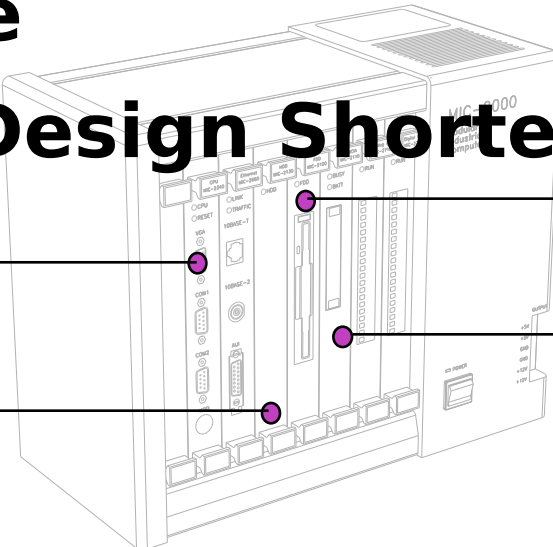
**General ISA-  
Bus  
Card  
Acceptable**



# Flexible Modular Design

 **Peripherals Easily Added to MIC System**  
via PCMCIA, PC/104 or ISA-Bus Backplane

 **Modular Design Shorten MTTTR**



**Video Interface**

**Hard Drive**

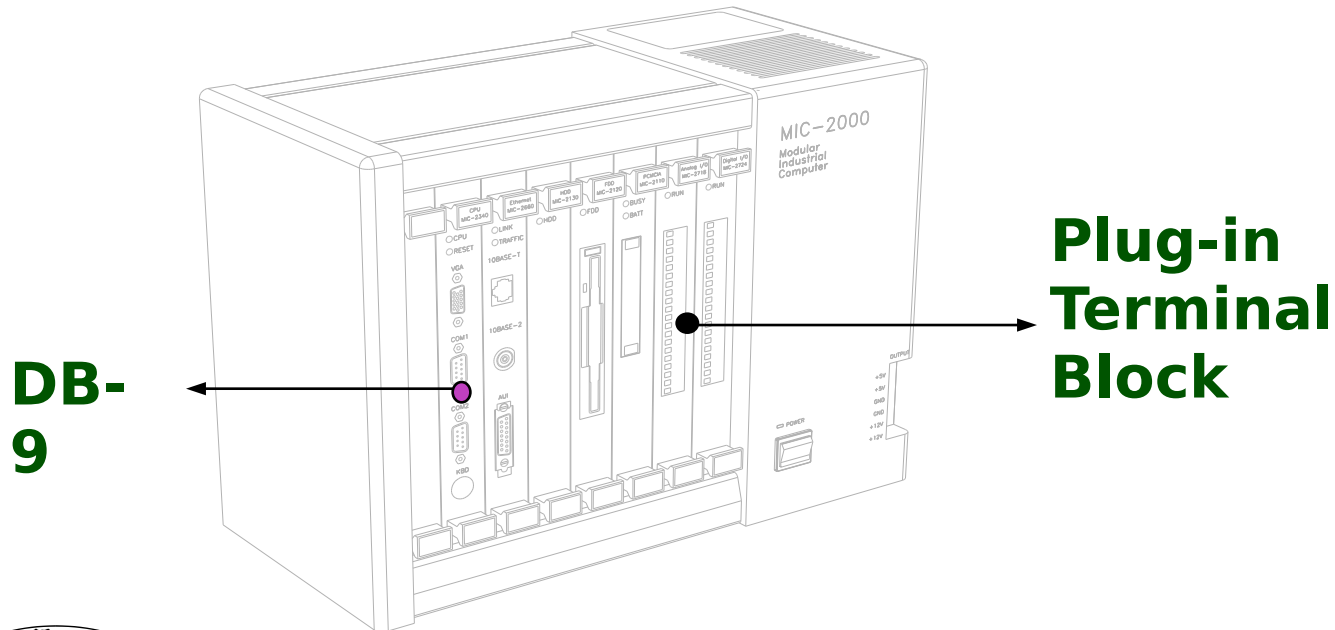
**PCMCIA Interface**



# Front Panel I/O Access

 PLC-like Wiring Scheme

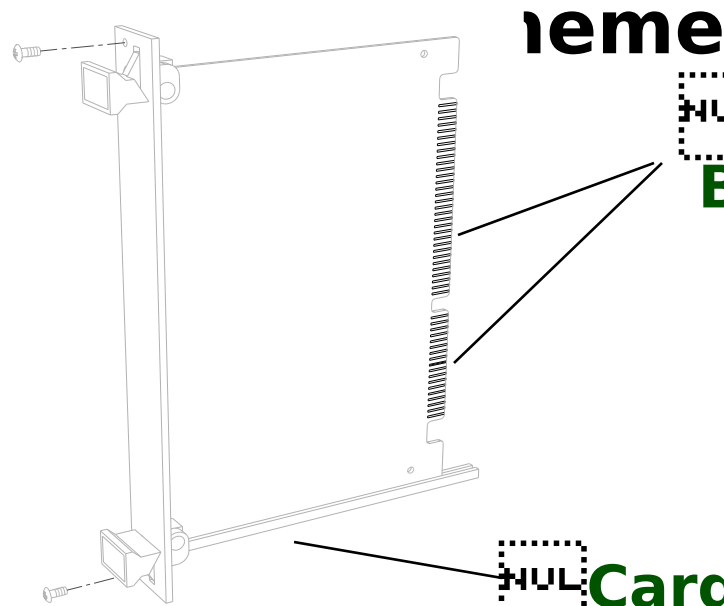
 Accept Field Wiring Directly



# Reliable & Easy Mounting

## Extractor Handle Design for Easy Mounting

4-Point  
Screw



PC-  
Bus Connector

Screws

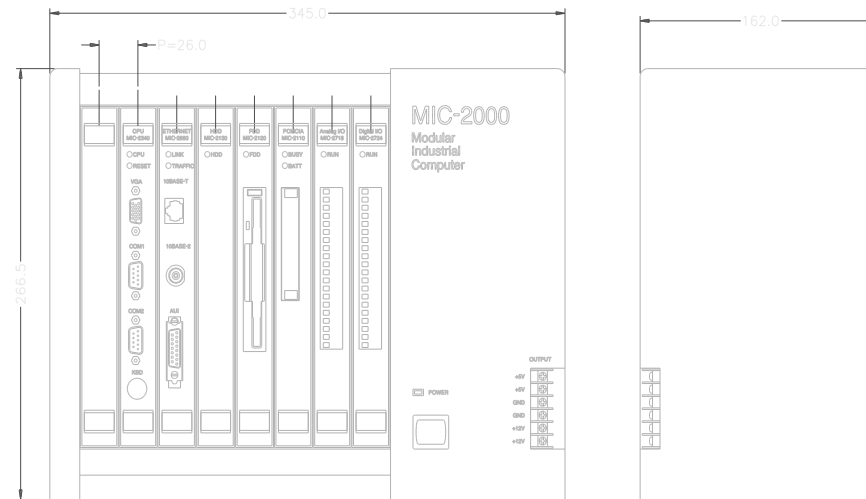
Card Guide





# Specially Designed for Industrial Environment

- Compact Size for Embedded Applications
- Mounts Easily on Panel or 19 inch Rack
- High Reliability

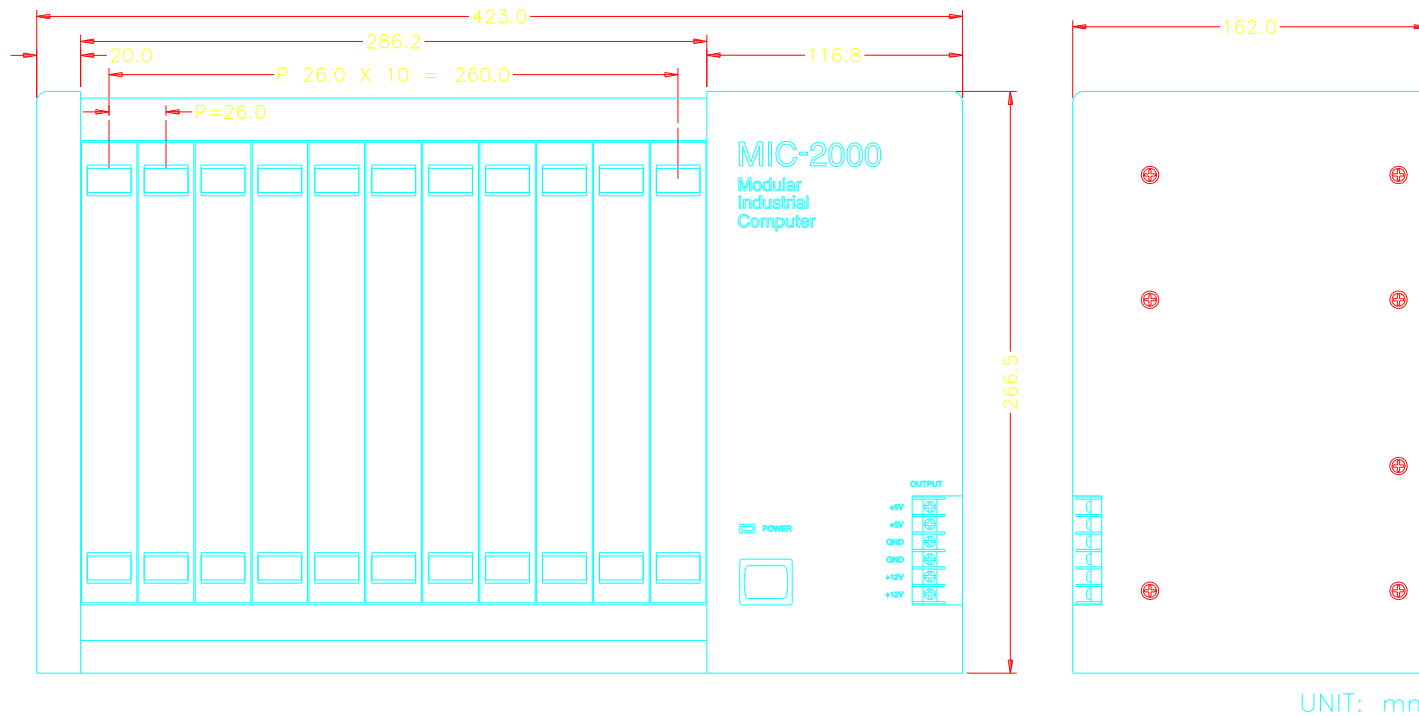


**Unit:  
mm**



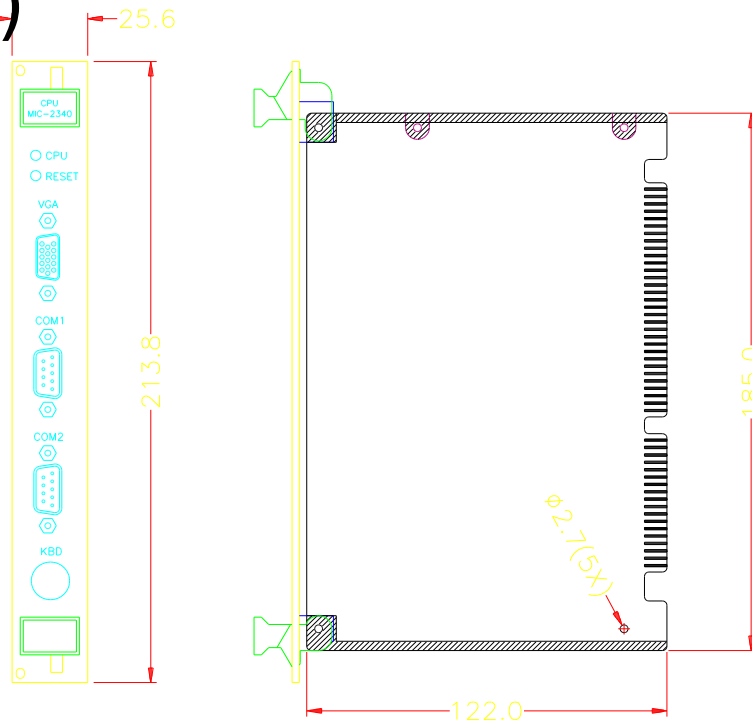
MIC  
2000

# Rackmount MIC System



# Module Dimensions

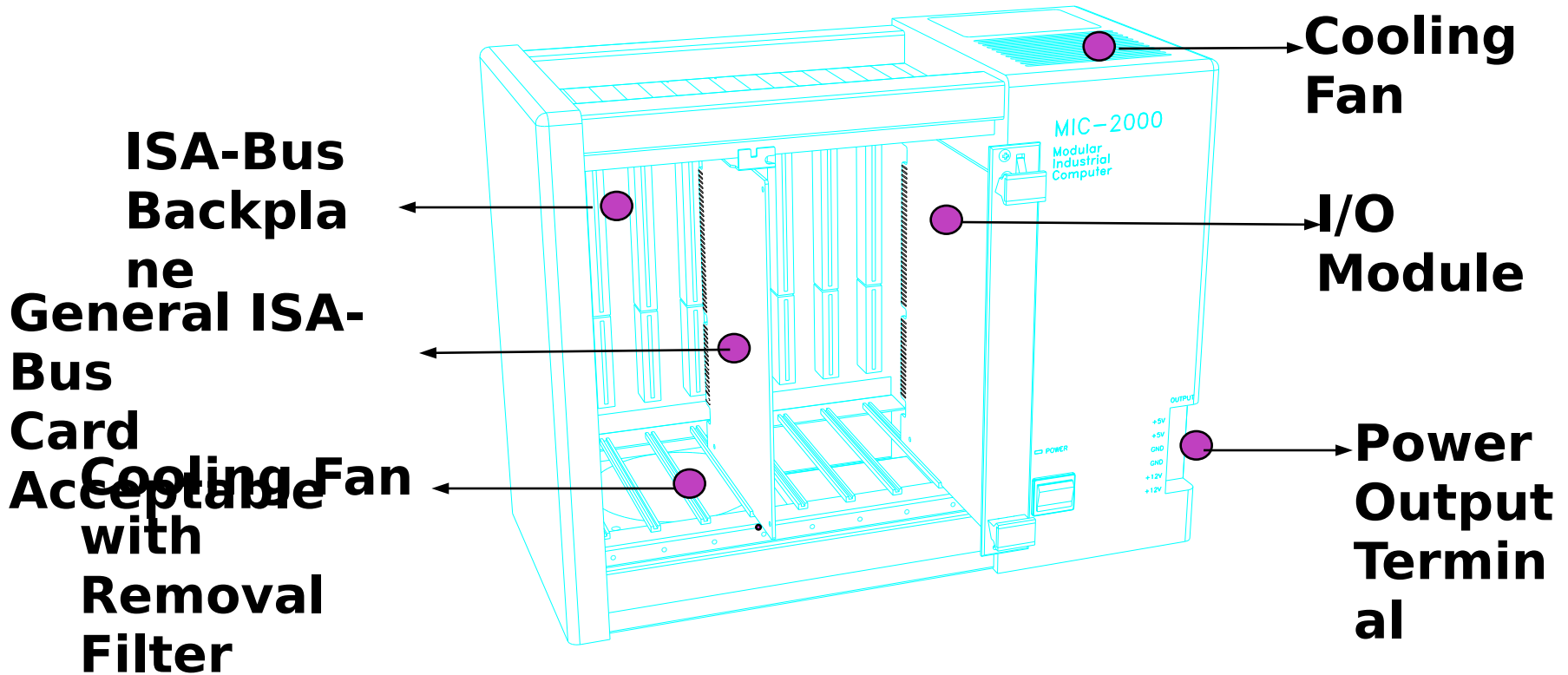
Compact AT-bus Board Size  
Board Size: 185x122 mm (7.3x4.8  
inch)



Unit:  
mm

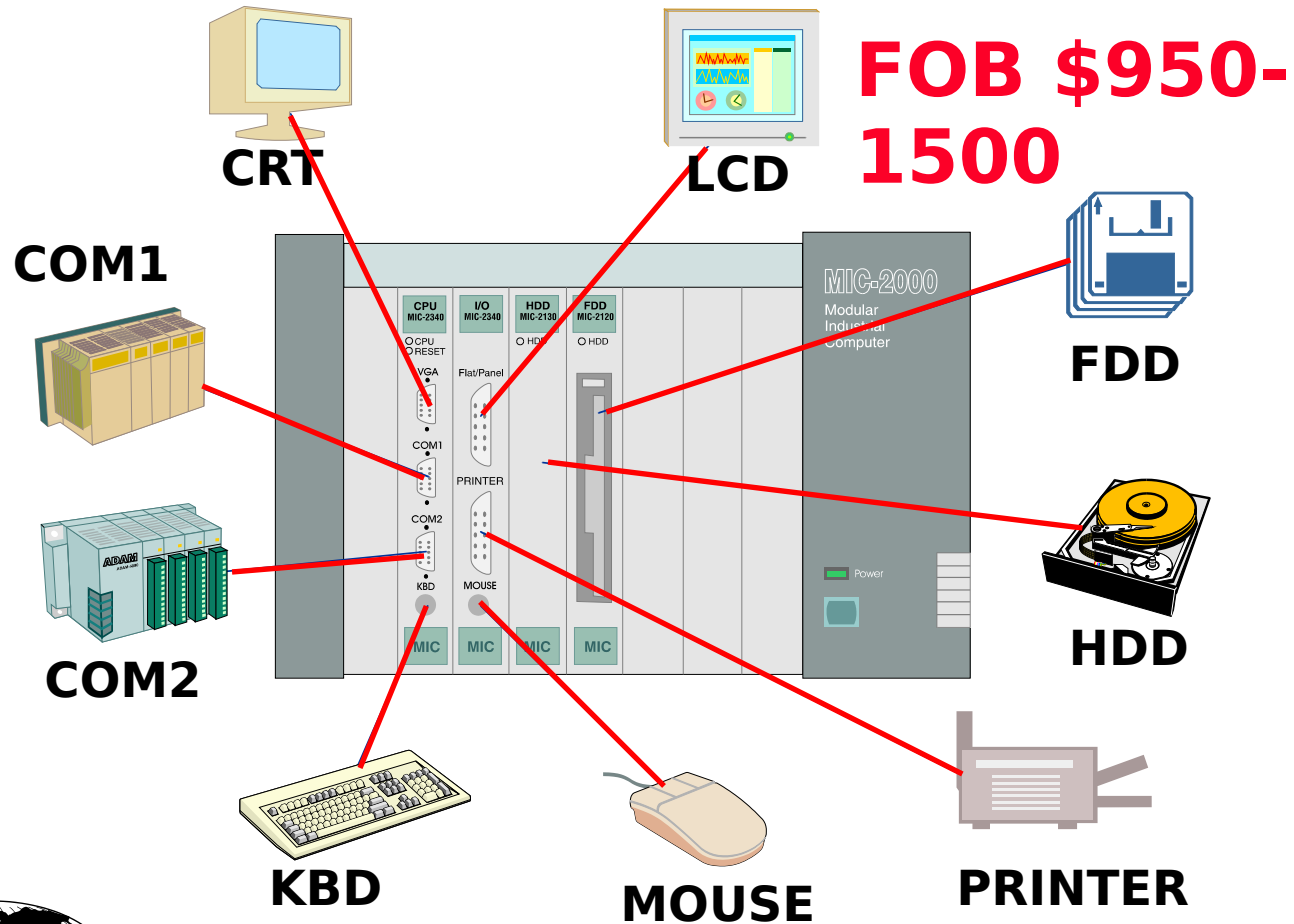


# Mechanical Structure



**MIC  
2000**

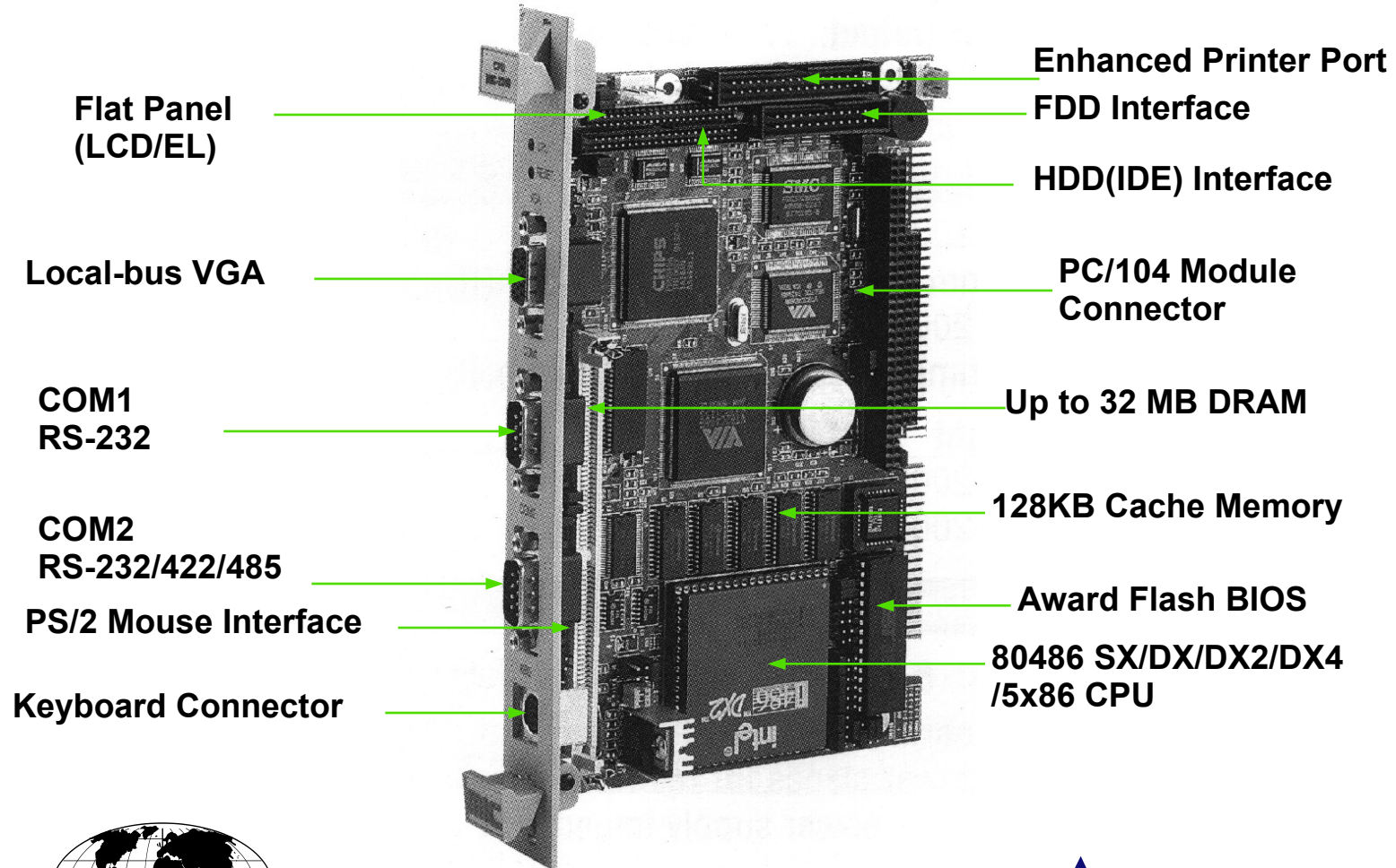
# Complete PC Function



**ADVANTECH.**

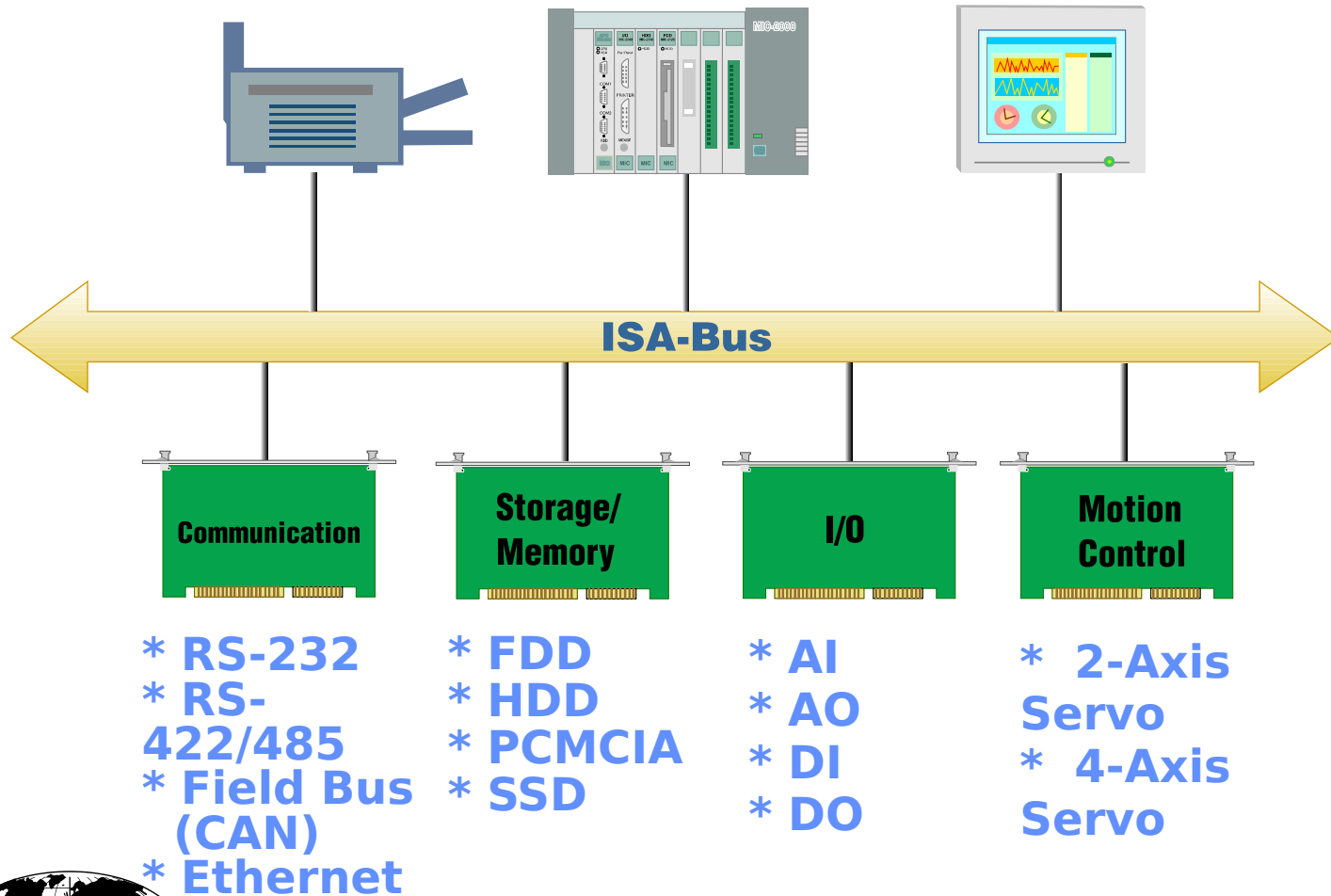
**MIC-2000  
Series**

# MIC-2340 All-in-One 486-based Processor Module



**MIC  
2000**

# Complete Industrial I/O Solution



**ADVANTECH.**

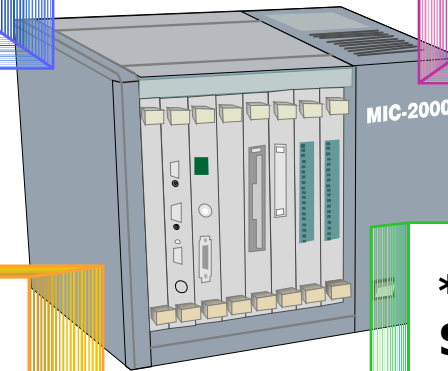
# Modules Selection Guide

- \* FDD (MIC-2120)
  - \* HDD (MIC-2130)
  - \* PCMCIA (MIC-2110)
  - \* SSD (MIC-2140)
- Storage/  
Memory

- \* RS-422/485 (MIC-2610)
  - \* CAN (MIC-2630)
  - \* Ethernet (MIC-2660)
- Communication

- \* AI (MIC-2718)
  - \* AO (MIC-2728)
  - \* DI (MIC-2730/32)
  - \* DO (MIC-2750/52)
- DA&  
C

- \* 2-Axis Servo (MIC-2220)
  - \* 4-Axis Servo (MIC-2240)
- Motion  
Control



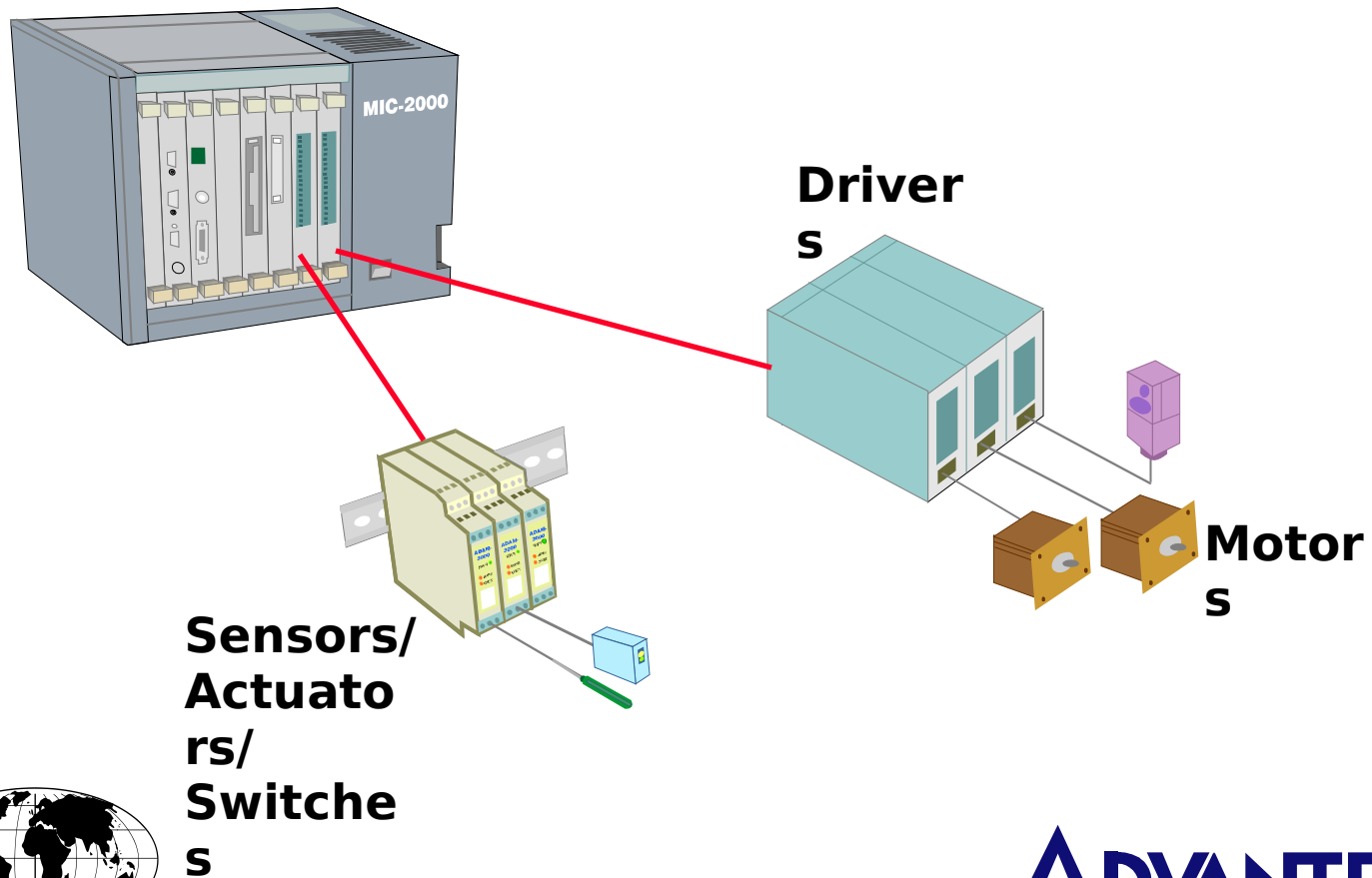


# Typical Applications

- vSupervisory Control and Data Acquisition**
- vEmbedded Machine Control**
- vMotion Control and Robotics**
- vData Communication Processors**
- vAutomatic Test and Navigation Systems**
- vMilitary Ground Support Systems**
- vExperiment System for Research**

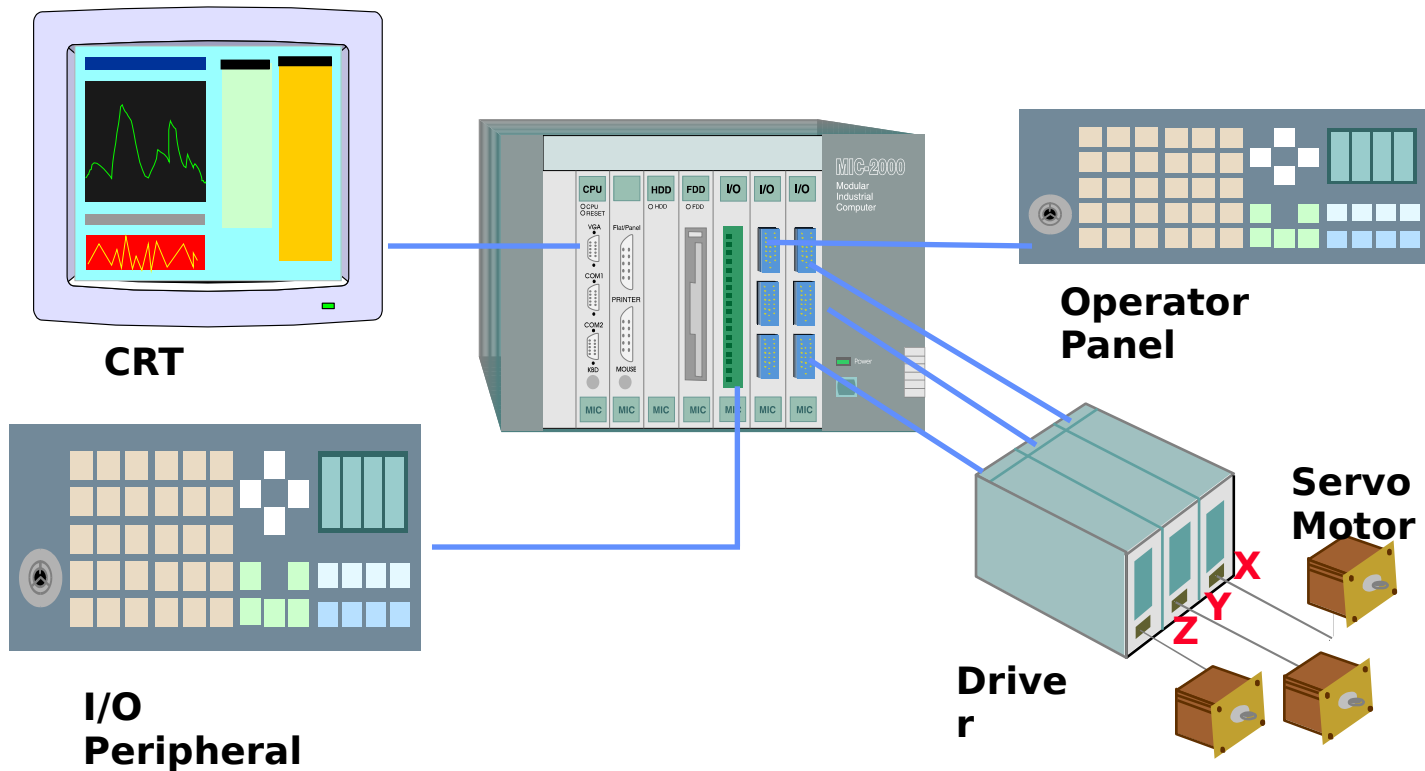


# Typical Embedded Machine Control



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# CNC Turning Machine



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# CNC Electrical Discharge Machine (EDM)

