



# IRC5 Compact

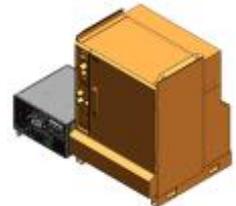
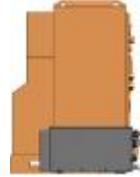
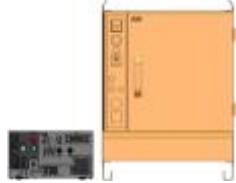
# IRC5 Compact Controller



- **Compact**
  - Easy to integrate, saves space
- **A fully fledged member of IRC5 family**
  - All the benefits of the #1 robot controller
  - No need to re-train
  - Many common spare parts
- **Easy commissioning**
  - Portable
  - One phase 220/230 V
    - No separate 24 V required
  - External connectors
  - Built-in 16 inputs & 16 outputs
- **Handles robots up to 8 kg payload**

# Single Cabinet vs. Compact Controller

87% smaller, 81% lighter



**258 x 450 x 565 (H x W x D) = 66 liters**

**Total Weight = 27.5 kg**



**970 x 725 x 710 (H x W x D) = 499 liters**

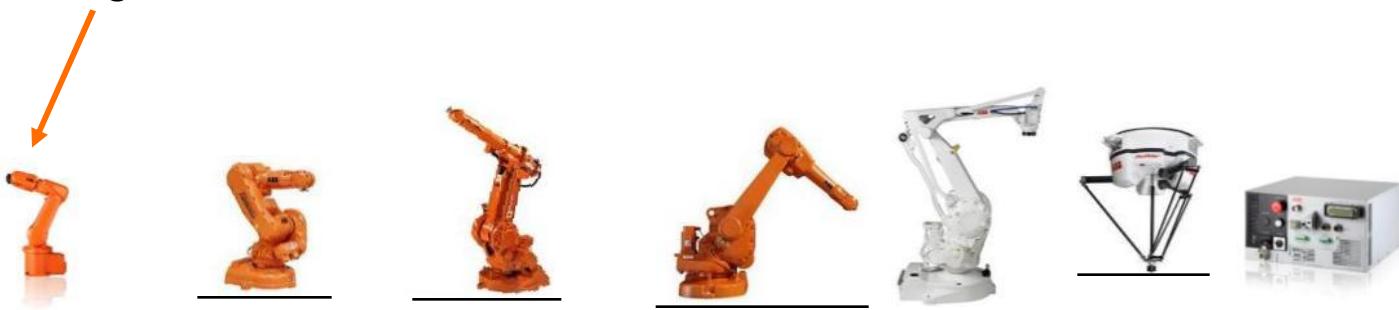
**Total Weight = 142 kg**

# Controller Variant Selection Guide

			
Single Cabinet	Dual Cabinet	Panel Mounted	Compact
<ul style="list-style-type: none"><li>▪ “The standard”</li></ul>	<ul style="list-style-type: none"><li>▪ More space</li><li>▪ Distributable</li><li>▪ Height</li><li>▪ Additional robots</li></ul>	<ul style="list-style-type: none"><li>▪ Integration</li><li>▪ Protection</li><li>▪ Size</li><li>▪ Cost</li></ul>	<ul style="list-style-type: none"><li>▪ Size</li><li>▪ Cost</li><li>▪ <i>IRB support</i></li><li>▪ <i>Options</i></li><li>▪ <i>Add. equip.</i></li><li>▪ <i>Protection</i></li></ul>

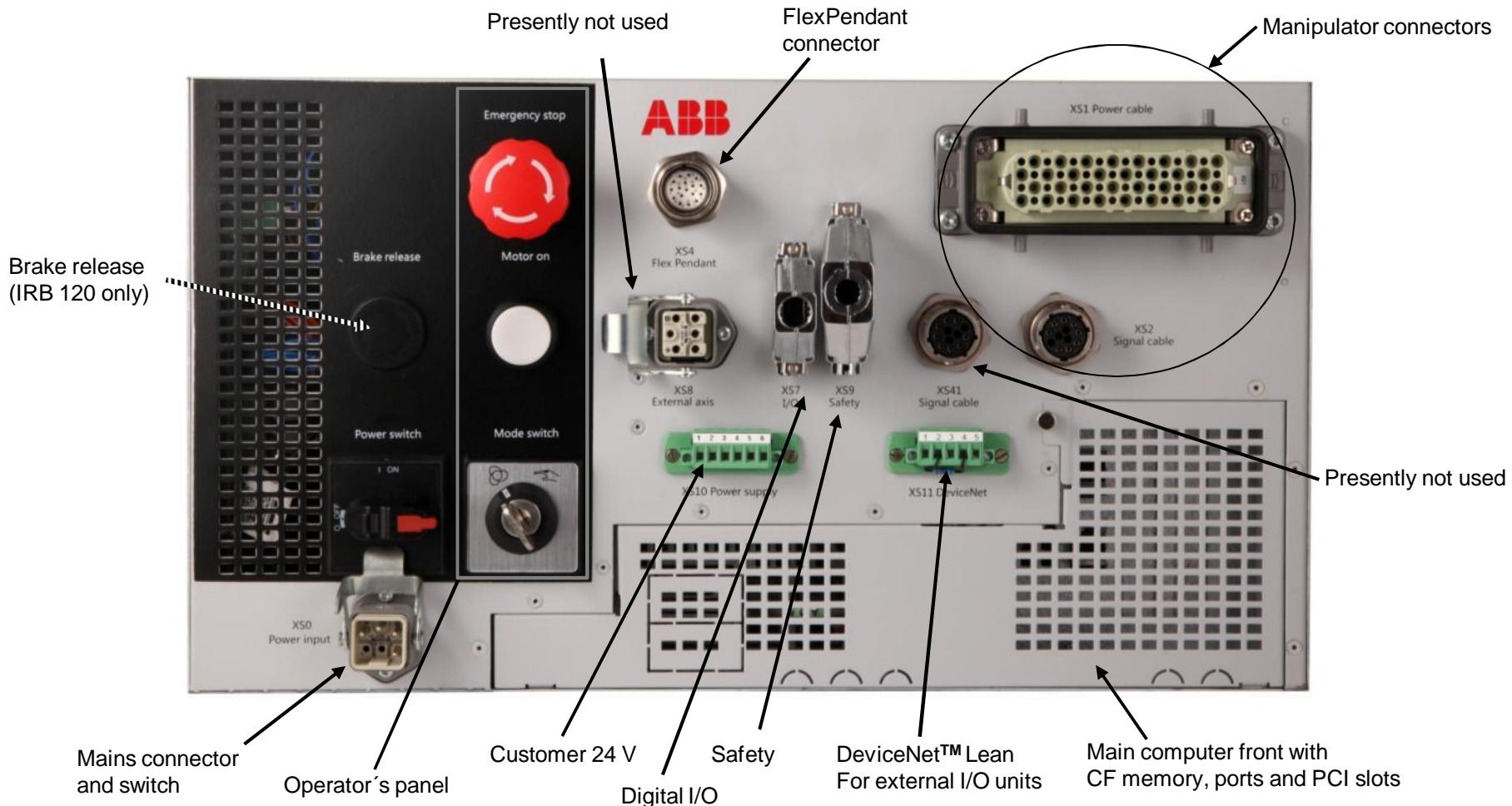
# IRC5 Variants - IRB Mapping

5 controller variants available  
unique range for small robot!

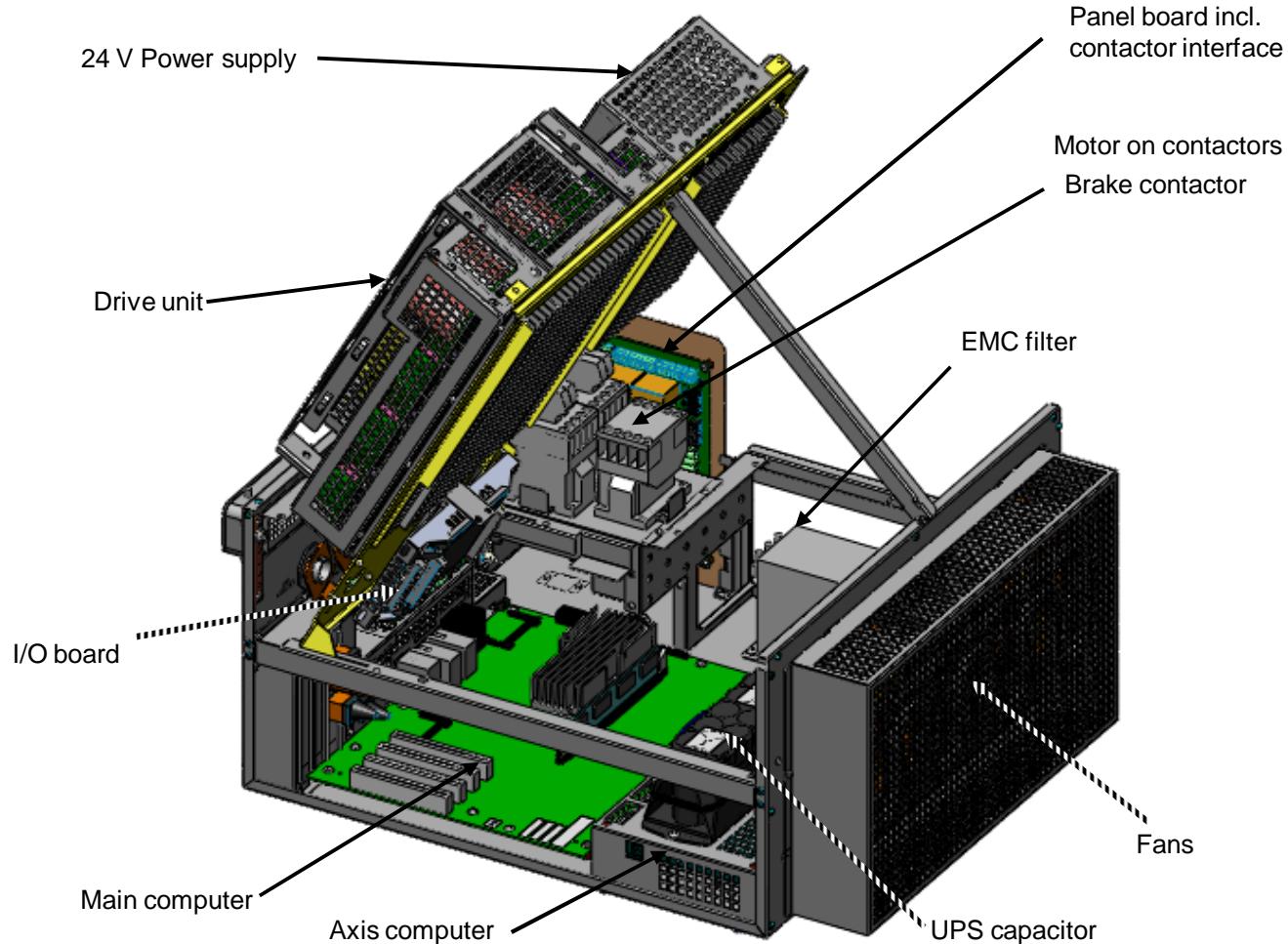


Variant	IRB 120	IRB 140	IRB 1410	IRB 1600	IRB 260	IRB 360	Stand Alone
<b>Compact</b>	Yes	Yes	Yes	Yes	Yes	Yes	Q2 2011
<b>Single Cabinet</b>	Yes	Yes	Yes	Yes	Yes	Yes	Yes
<b>Dual Cabinet</b>	No	Yes	No	Yes	Yes	Yes	Yes
<b>Drive Module only</b>	Yes	Yes	No	Yes	Yes	Yes	Yes
<b>Panel Mounted</b>	No	Yes	No	Yes	Yes	Yes	Yes
<b>Panel Mounted drive only</b>	No	Yes	No	Yes	Yes	Yes	Yes

# Extensive Connectivity



# Inside the IRC5 Compact Controller



# Options Available



- **Most RobotWare options available.**
  - Including “Prepared for PickMaster”
- **FlexPendant**
- **Most I/O options**
- **Remote Service**
- **Remote operator panel**
- **Main limitations**
  - No MultiMove
  - No Force Control (planned for R11.1)
  - No SafeMove
  - No Electronic Positioning Switches (EPS)
  - No additional axes

# Summary

- Fully fledged IRC5 family member
- Same user experience
- Very compact format
- Easy commissioning

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