

APTER POWER

1788-CNC

ControlNet Daughtercard

It is a nonredundant ControlNet daughtercard for a compatible host device and channel-A network connection.

COMPLETE PRODUCT SNAPSHOT

|              |                                          |
|--------------|------------------------------------------|
| MANUFACTURER | Allen-Bradley                            |
| FAMILY       | 1788 communication daughtercard platform |
| MODEL        | 1788-CNC                                 |
| DOCUMENT     | 1788-IN002                               |

RELATED PRODUCTS ON APTER POWER

|    |                           |      |
|----|---------------------------|------|
| 01 | Allen Bradley 1783-ETAP1F | OPEN |
| 02 | Allen Bradley 1771-RTP4   | OPEN |
| 03 | Allen Bradley 1771-P2     | OPEN |
| 04 | Allen Bradley 1771-OM     | OPEN |
| 05 | Allen Bradley 1771-OB     | OPEN |
| 06 | Allen Bradley 1771-NOV    | OPEN |

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Exact-model technical record

|                      |                                          |
|----------------------|------------------------------------------|
| Complete model       | 1788-CNC                                 |
| Manufacturer         | Allen-Bradley                            |
| Product family       | 1788 communication daughtercard platform |
| Network type         | ControlNet, nonredundant                 |
| Legal node addresses | 01 to 99                                 |
| Network channel      | Channel A                                |
| Supply               | 5 V DC from host                         |

|                     |                                        |
|---------------------|----------------------------------------|
| Maximum current     | 450 mA                                 |
| Power dissipation   | 2.25 W                                 |
| Thermal dissipation | 7.68 BTU/h                             |
| Enclosure type      | Open style                             |
| Approved taps       | 1786-TPR, TPS, TPYR or TPYS            |
| NAP role            | Temporary local programming connection |

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## System role and applications

### ControlNet host interface

Adds a scheduled ControlNet node to the compatible host.

### Network keeper service

Retains network parameters for the installed segment.

### Local commissioning access

Provides temporary NAP access for documented setup work.

### Daughtercard replacement

Restores the exact 1788-CNC network role and node address.

## ENGINEERING BOUNDARY

Install 1788-CNC only in a supported daughtercard host. Set the documented node address, use an approved tap and never insert or remove the card under power.

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## Model-specific engineering questions

### Q1. Which network type identifies 1788-CNC?

Network type: ControlNet, nonredundant. Match the complete catalog identity before work.

### Q2. What legal node addresses must be matched for 1788-CNC?

Legal node addresses: 01 to 99. Preserve the installed system assignment and connector mapping.

### Q3. How is the network channel defined on 1788-CNC?

Network channel: Channel A. Use the controlled project record during wiring checks.

### Q4. Why does the supply matter when replacing 1788-CNC?

Supply: 5 V DC from host. Do not substitute a neighboring family value.

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## Acceptance reference and related products

**Q5. Which maximum current should commissioning records retain for 1788-CNC?**

Maximum current: 450 mA. Record the as-found setting before removal.

**Q6. What should technicians verify about the power dissipation of 1788-CNC?**

Power dissipation: 2.25 W. Confirm the value again during controlled startup.

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