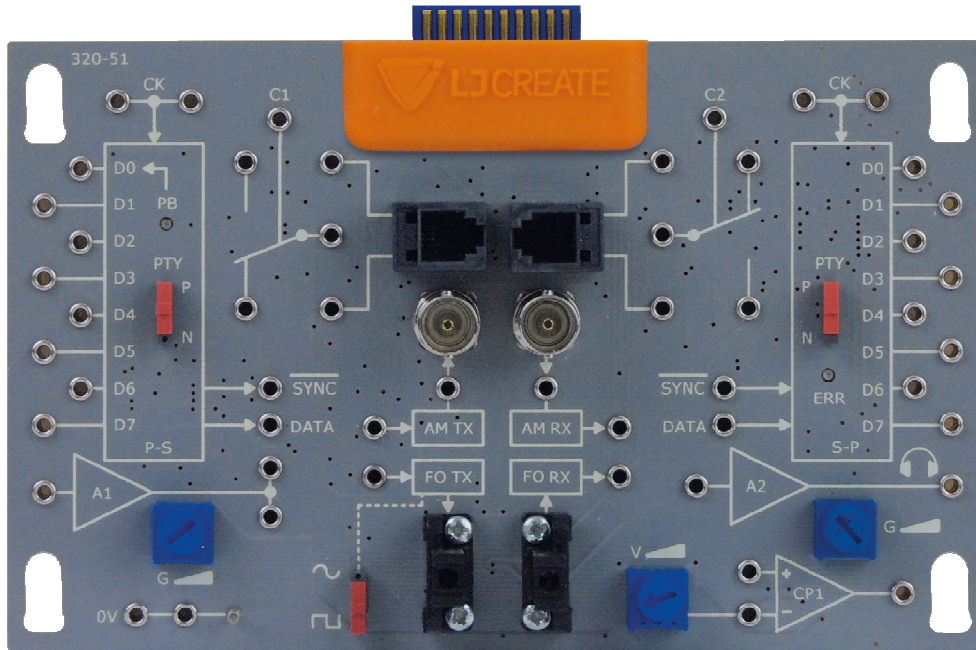


## Product Information Sheet

### 320-51 Electronic Communications



This practical resource introduces students to the principles of electronic communication systems through a range of practical activities.

The card is designed for use with the 320-00 Electronics Study Trainer.

Practical activities based around this card are provided on the digital curriculum disk provided with the trainer.

The card may also be used with our optional cloud-based software. This contains theory presentations, investigations, and assessments, which link directly to the practical activities carried out using this resource.

#### The Card Includes the Following:

- AM transmitter/receiver
- Fibre optic transmitter/receiver
- Parallel/serial and serial/parallel converters
- Parity generation and detection
- Voltage amplifier, audio amplifier and voltage comparator
- Analogue switches
- UTP, coaxial and fibre optic cables and connectors
- Switched faults for fault-finding activities

#### Practical Tasks Include the Following:

- AM transmission
- Optical transmission
- Simplex and duplex transmission
- Digital data transmission
- Transmission protocols
- Handshaking and flow control
- Fault-finding electronic systems

#### Items Included:

- Circuit Card and Cables

#### Other Items Required:

- 320-00 Electronics Study Trainer
- Digital Multimeter (DM1 or similar)
- Dual Trace Oscilloscope (OSC1 or similar)

#### General Information:

Card Dimensions:  
160 x 100 x 35 mm (W, H, D)

#### Packaging:

Orders for multiple 320-series cards are shipped in storage boxes.

#### Shipping Volume:

Single card: 0.001 m<sup>3</sup>  
Storage box: 0.015 m<sup>3</sup>

#### Shipping Weight:

Single card: 0.3 kg  
Storage box: 0.5 kg

Please contact LJ Create for estimated shipping volume and weight for your specific order requirements.

**Order Code: 320-51**

P9010-C

**For more information visit [www.ljcreate.com](http://www.ljcreate.com)**