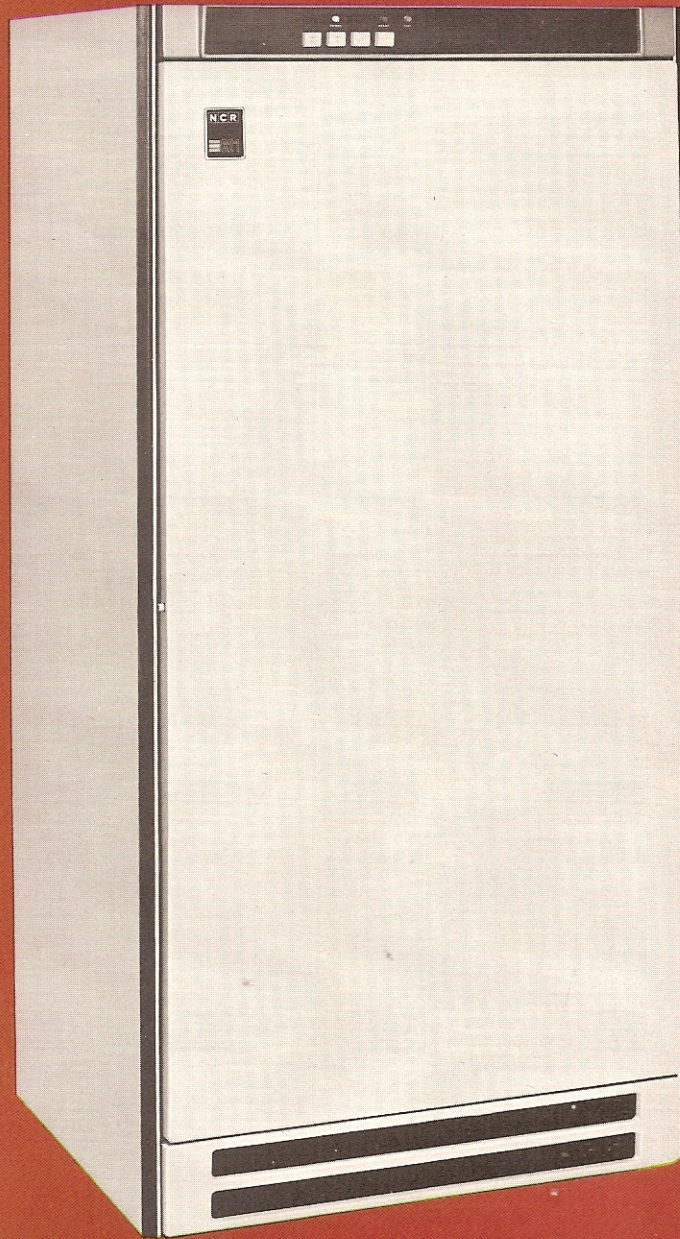
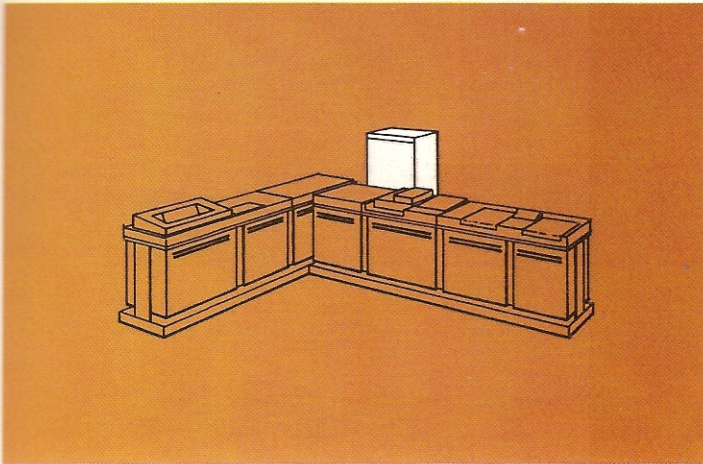


## communication controllers



621-101 Communications



The NCR Century Series of compatible systems provides the ability to handle multiple numbers of communication controllers on standard input/output data channels. A variety of controllers and line adapters provide the multiplexing of various remote terminals over communication lines—communication with other Century Systems and communication with other systems.

#### 621-101 COMMUNICATIONS CONTROLLER

- 15 addressable lines (maximum)
- Transfer rate—45 to 40,800 bits per second
- Line adapters—5-, 6-, 7-, or 8-bit character buffer
- Error detection
- Interval timer
- Requires a different character type adapter for each type of online unit
- Scanning operation in controller—multiplexing I/O control in processor
- Accommodates a wide variety of online devices

#### 621-201 COMMUNICATIONS MULTIPLEXER

- Stands alone as a communications controller—releases CPU from supervisory tasks
- Can function as line concentrator, limited real-time processor, or as a communication switcher
- Stored program processor—16K or 32K memory
- Common trunk capabilities—Century compatible
- Addressable lines—254
- Data transfer rate—45 to 40,800 bits/second
- 800 nanosecond character readout
- Line adapter—5-, 6-, 7-, or 8-bit buffer
- Commands—Century 100 System command set, decode and sum check
- Interval timer
- Internally programmed
- Provides polling, error detection and correction, message assembly, validation, and editing
- Two I/O data channels—communication—multiplexes up to 254 lines

- Standard—handles all Century peripherals
- Automatic detection of up to 256 control characters
- Special command for code conversion, parity, and sum checking
- Can be used:
  - Directly coupled to CPU to provide—Processor-to-processor communication
  - As stand-alone processor
  - As remote processor
  - As back-up processor

#### 622-201 INPUT/OUTPUT CONTROL UNIT

- Common trunk interface for NCR 735/736 magnetic tape encoders
- Permits 735/736 to be used:
  - Offline for normal input preparation
  - Online to read and write magnetic tape
- Effective reading speeds range from 500—3000 cps depending on model and options
- Effective writing speeds range from 250—1500 cps depending on model and options