IBM 8230 Controlled Access Unit Model 003 and Model 013

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Abstract

The IBM 8230 Controlled Access Unit Model 003 and Model 013 are more granular and modular additions to the 8230 family, providing improved price performance at all configurations, especially the small number of device configurations (branch office and remote locations). (The only difference between Models 003 and 013 is that the Dual Ring Redundancy Feature is factory installed on Model 013.) If, after purchase of the Model 003, functionality of the Model 013 is required, this can be achieved by installing the Dual Ring Redundancy Feature (#2029). Additionally, the 8230 Model 003 and Model 013 provide a much broader range of cabling options.

8230 Model 003 and Model 013 highlights are:

- Granularity and modularity down to the two device configuration, allowing for a more tailored approach to configuration. Also functions that are not required in all configurations are made an optional feature, providing a lower entry price.
- The option of management via either SNMP or LAN Network Manager. SNMP support will be available for the 8230 Model 003 and Model 013 on their general availability date via MIB Browsing under NetView®/6000.
- Price performance at the work group arena that makes the use of intelligent concentration cost justifiable.
- The option of attaching an active or passive RJ-45 Remote Lobe Attachment Module (RLAM) up to 100 meters from the Model 003 or Model 013 base unit. Devices attached to this RLAM can have lobe lengths of up to 100 meters.
- Mixing and matching of different wiring types, making the Model 003 and Model 013 the most versatile work group concentrators available.
  - Any combination of Shielded Twisted Pair (STP) and active or passive Unshielded Twisted Pair (UTP) devices can be connected to the base unit via the various LIUs.
  - Copper Ring In and Ring Out, fiber Ring In and Ring Out, STP copper Ring In and Ring Out with an RJ-45 shielded connector, or a mix of copper Ring In and fiber Ring Out or fiber Ring In and copper Ring out can be accomplished with the five versions of Ring In and Ring Out LIUs.
- Support of category 3 UTP cable via an active LIU or active RLAM.
- Ability to attach up to three of the 8230 Model 001 ICS or RJ-45 Lobe Attachment Modules (LAMs) to the rear of the 8230.
- Ability to attach up to 10 8228s directly to the 8230 via the ICS

- 2-Port LIUs.
- Speed detect.
- Enhanced error and status displays.
- With the MAC feature installed, full dual ring redundancy.

The 8230 Model 003 and Model 013 can be configured as follows:

- From one to five Lobe Insertion Units (LIUs) attached into the 8230 Model 003 or Model 013 base unit.
- These LIUs can be configured as follows:
  - Any combination of from one to five 4-port LIU modules or
  - Any combination of from one to five 3-port LIU modules or
  - Any combination of from one to five 2-port LIU modules or
  - Any combination of the above, up to a total of five LIUs
- With the Dual Ring Redundancy Feature card installed, one of the following RI/RO Modules can be attached to the LIU slot numbered "1":
  - IBM Optical Fiber RI/RO Module
  - IBM Shielded RJ-45 RI/RO Module
  - IBM ICS RI/RO Module
  - IBM ICS/Optical Fiber RI/RO Module
  - IBM Optical Fiber/ICS RI/RO Module

Additionally the 8230 Model 003 and Model 013 will have an RS-232 serial port for out of band SNMP initialization, port enablement and disablement, and ring in and ring out wrap. A faster processor and flash memory will be included in the 8230 Model 003 and Model 013, allowing future engineering changes (ECs) to be downloaded.

Note: If any of the RI/RO Modules are attached, the IBM 8230 Model 013 or Model 003 Dual Ring Redundancy Feature is a corequisite. An IBM representative is required to install the Dual Ring Redundancy Feature in the field.

IN BRIEF . . .

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|                                                                   |
| o  Granularity and modularity providing maximum configuration     |
|    flexibility.                                                  |
| o  The option of being managed via either SNMP or LAN Network     |
|    Manager.                                                      |
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| o Attractive price at the entry configurations of remote and branch offices, making intelligent access connection cost justifiable.
| o The option of attaching an active or passive remote 16-port RJ-45 RLAM up to 100 meters from the Model 003 or Model 013 base unit. Device lobe lengths attached to this remote RLAM can be up to 100 meters.
| o Mixing and matching of different wiring types and active and passive lobes on the same 8230 Model 003 or Model 013 base unit.
| o Flash memory for downloading of future ECs.
| o Out of band RS-232 port for SNMP initialization, port disablement and enablement, and wrap and unwrap of ring in and ring out.
| o Ability to attach up to three of the 8230 Model 001 RJ-45 or ICS LAMs to the rear of the 8230 Model 003 or 013.
| o Support for category 3 UTP cable via active LIUs and the active RLAM.
| o With the MAC option installed, full dual ring redundancy.
| o Enhanced error and status displays.
| o Ability to attach up to ten 8228s via the ICS 2-Port LIU.
| o Speed detect.
| o Faster processor.
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| Price: 8230-003 -- $2,630; 8230-013 -- $3,340
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| Planned Availability Date: June 24, 1994, for all devices except the RLAM LIU and the active and passive RLAMs, which will be available fourth quarter 1994. The microcode to enable management via CMOL will be available fourth quarter 1994.
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