

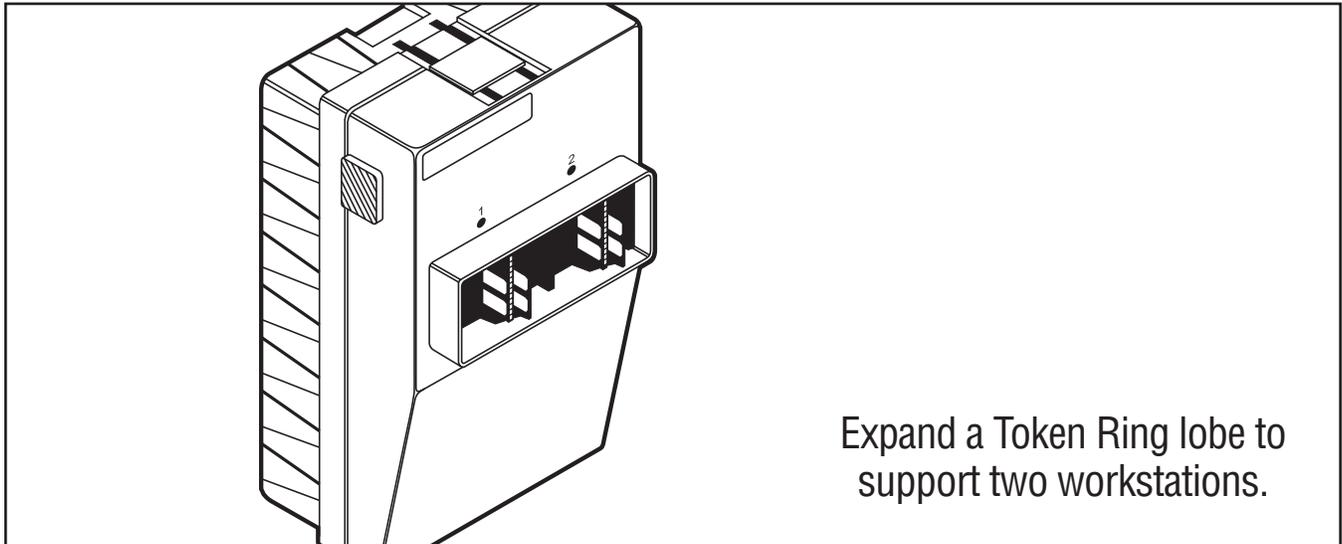


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BLACK BOX[®]

NETWORK SERVICES

TOKEN RING LOBE DOUBLER



Expand a Token Ring lobe to support two workstations.

Key Features

- ▶ “Installer-friendly”—no tools or technical assistance required.
- ▶ Complies with IEEE 802.5 Token Ring standard.
- ▶ 32828 model permits direct hookup to a data connector over a patch cable.
- ▶ Supports 4- and 16-Mbps networks.
- ▶ Lightweight and compact.
- ▶ Transparent to network operation.

If you want to expand your existing Token Ring Network without the cost of adding a new Multistation Access Unit (MAU) or running a new cable to a workstation, then try a Token Ring Lobe Doubler from Black Box.

Lightweight and compact, the lobe doubler is a passive device which provides the physical and electronic interconnection needed to attach two workstations to a single lobe port.

The lobe doubler features unique, innovative attachment capabilities. Directly attached to faceplate, the doubler provides an economically simple expansion of one token-ring lobe into two outlets, which, in turn, can support your additional workstations.

Along with its low cost and

versatility, the lobe doubler features advanced hybrid circuitry that ensures reliability. It has a high mean time between failures (MTBF) rate, and if the data connector loses power, is hampered by cable failure or becomes inactive, the lobe doubler automatically bypasses the workstation.

Transparent to the network, the lobe doubler supports 4- and 16-Mbps data rates and is fully compatible with all IEEE 802.5-standard MAUs.

The 32829 model can be attached to any IBM[®] faceplate. However, if you use any other non-IBM faceplate, you cannot directly attach the 32829 lobe

doubler. For that, you can order the 32828, which may be attached to either an IBM faceplate or any non-IBM faceplate. It is functionally and electronically identical to the 32829 but comes with a 40-cm patch cable, enabling the attachment to a non-IBM or IBM-compatible faceplate, or direct hookup to a data connector. The 32828 can be mounted on a desk or wall.

Easy to install, you connect your workstations to the lobe doubler's ports using STP media with IDC connectors. Status LED indicators on each port glow when its respective workstation is connected. No external power is needed.



Specifications

Standards: IEEE 802.5 Token Ring

Data Rates: 4 or 16 Mbps

Indicators: (2) activity status LEDs

Connectors: (3) 4-position data connectors

Power: Interface-powered

Phantom Circuit:

Operating Voltage:
5.5 ± 1.5V;

Operating Current:
1 mA @ 5V;

DC Resistance (Tx to Rx):
4.87 KΩ ± 1%;

Insertion Time: <10 seconds;

Removal Time:
<200 milliseconds

Temperature Tolerance:

Operating: 50 to +104° F
(10 to 40° C);

Storage: -13 to +140° F
(-25 to 60° C)

Humidity Tolerance:

80% maximum (noncondensing)

Size:

32828: 13.2H x 7.9W x 5.1D cm);

32829: 11.2H x 9.1W x 5.1D cm,
plus 40cm cable

Weight: 32828: 0.3 kg

32829: 1 lb (0.5 kg)

Ordering Information

ITEM	CODE
Token Ring Doubler	32829
with 16-inch (40 cm) Cable	32828

