

Data/Voice 4-in-1 Multiplexor

Link four user  
interfaces over  
a 56-kbps digital line.



## FEATURES

- » Keeps going through slowdowns or blocking.
- » Work error-free in public networks and point-to-point applications.
- » Isolate and identify faults in the network.

## OVERVIEW

With the [Data/Voice 4-in-1 Multiplexor](#), you get four user interfaces (two voice and two data) over a 56-kbps digital line.

This multiplexor transmits voice and data simultaneously. Four user interfaces operate independently over a single digital telephone line without collisions.

The CSU multiplexors adapt automatically to the 56-kbps digital line's distance and quality. Just plug them into the telco modular service jack. An integral clock generator provides synchronization timing modes.

The multiplexor performs local loopback tests for correct operation, and remote loopback tests to check the telephone circuit. Front-panel LEDs indicate proper operation. The multiplexor also responds to standard network-generated tests.

Both versions have a the built-in CSU. The 38688 works with PBX-to-telephone connections, and the 38692 accommodates PBX-to-PBX.

## TECH SPECS

**Speed** — Both models: Data rate: (2) channels at 2400, 4800, or 9600 bps or (1) channel at 19.2 kbps;  
Voice compression: 16-kbps ADPCM;  
38688, 38692: DDS rate: 56 kbps

**Operation** — Sync or async

**Timing** — Master or slave

**Interface** — Both models: DCE: Sync or async RS-232;  
Composite port: V.35 or DDS;  
38688: Voice: E&M;  
38692: Network: DDS;  
Voice: FX0/FXS;

**Connectors** — Both models: (2) DB25 for DCE;  
38688: (1) RJ-48S, (2) RJ-48;  
38692: (2) RJ-48S, (2) RJ-11

**Power** — 90–140 VAC, 60 Hz

**Size** — 3.5"H x 10.8"W x 11"D (8.9 x 27.4 x 27.9 cm)

**Weight** — 4.5 lb. (2 kg)

Item	Code
Data/Voice 4-in-1 Multiplexor with CSU, 2-/4-Wire E&M	38688
with CSU, 2-Wire Loop	38692

## Why Buy From Black Box? Exceptional Value. Exceptional Tech Support. Period.

Recognize any of these situations?

- You wait more than 30 minutes to get through to a vendor's tech support.
- The so-called "tech" can't help you or gives you the wrong answer.
- You don't have a purchase order number and the tech refuses to help you.
- It's 9 p.m. and you need help, but your vendor's tech support line is closed.

According to a survey by *Data Communications* magazine, 90% of network managers surveyed say that getting the technical support they need is extremely important when choosing a vendor. But even though network managers pay anywhere from 10 to 20% of their overall purchase price for a basic service and support contract, the technical support and service they receive falls far short of their expectations—and certainly isn't worth what they paid.

At Black Box, we guarantee the best value and the best support. You can even consult our Technical Support Experts before you buy if you need help selecting just the right component for your application. Don't waste time and money—call Black Box today.