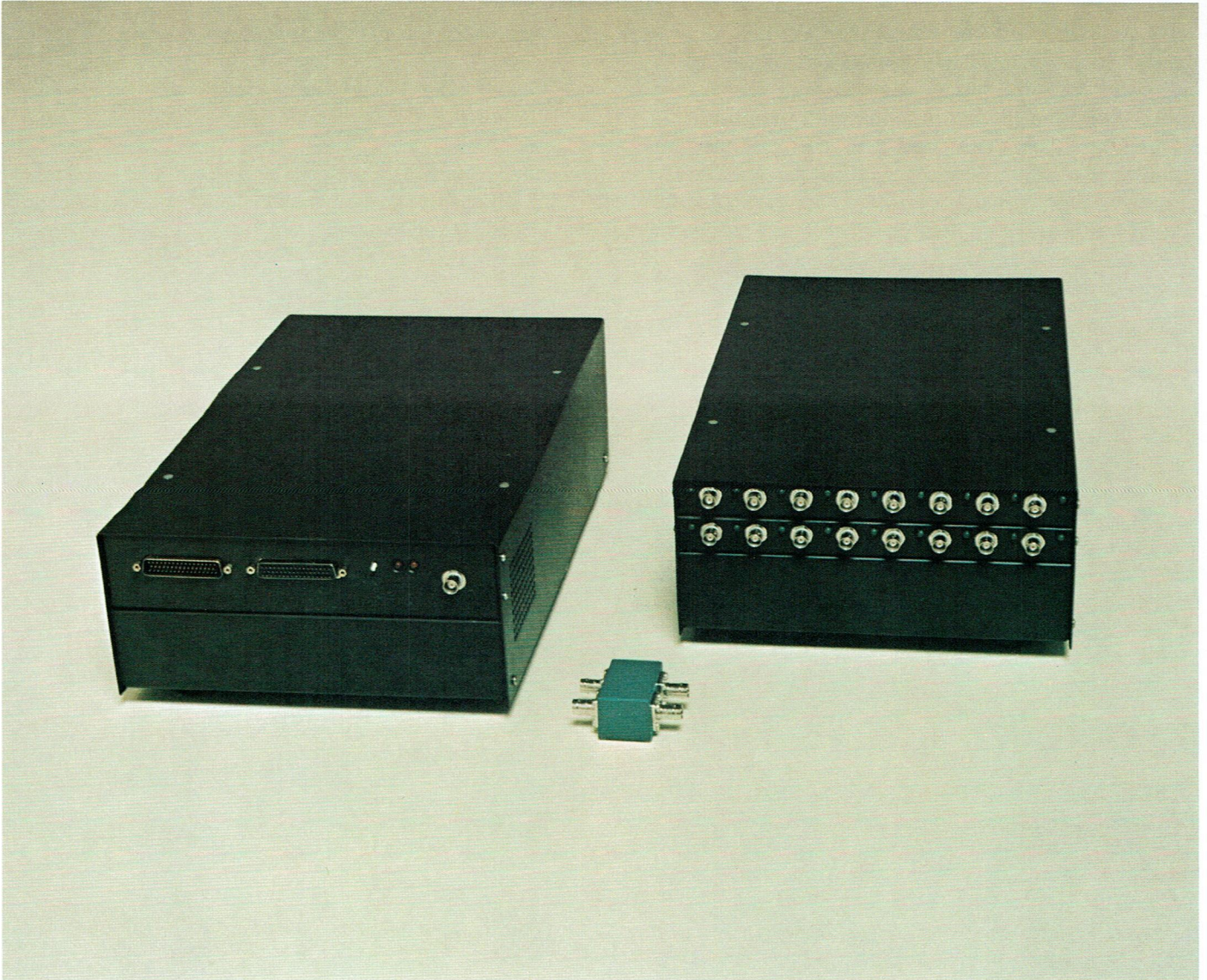


# DATAPOINT RESOURCE INTERFACE MODULE



*(l. to r.: RIM, Passive Hub, Active Hub)*

**DATAPOINT ACTIVE HUB**  
**DATAPOINT PASSIVE HUB**

# DATAPoint RESOURCE INTERFACE MODULE

The Resource Interface Module (RIM) is a special purpose interface that allows standard Datapoint Advanced Business Processors to participate as part of an Attached Resource Computer™ system. Attached to the processor's I/O bus, the RIM transmits and receives data at extremely high speeds, providing for operation that is transparent to the user. The RIM provides a unique identification for its processor, and receives messages addressed to that processor only. The RIM also identifies each transmission with the processor's designation.

RIMs may be linked to each other (two RIMs only) or attached to a Passive Hub (less than five RIMs) or an Active Hub (up to 16 RIMs). Up to six RIMs may be attached to any single processor, allowing an ARC system to be configured into up to six subsystems. The RIM has field-alterable line voltage and processor identification, and includes its own power supply. The RIM is included with the 3800 and 6000 Series Attached Processors, and may be mounted on the back of any Datapoint processor table or any flat surface.

## DATAPoint ACTIVE HUB

The Active Hub allows for the interconnection of Datapoint processors in an Attached Resource Computer system. The Active Hub links up to 8 Resource Interface Modules or Active Hubs; with the addition of a Hub Expander Card, up to 16 RIMs or Active Hubs may be attached. Providing signal amplification and conditioning, the Active Hub is connected with coaxial cable.

Cable length between RIMs and the Active Hub may exceed 2,000 feet only if an additional Active Hub is attached; up to 10 Active Hubs may be attached to one run of cable to provide for lengths of up to 4 miles. Operation of the Active Hub is transparent to the user. (The Active Hub may not be used in conjunction with the 9485 Passive Hub.)

## DATAPoint PASSIVE HUB

The Passive Hub allows Resource Interface Modules that are connected to Datapoint processors to be linked together as an Attached Resource Computer system. The Passive Hub allows up to four RIMs to be linked with coaxial cable under the condition that the sum of the longest two runs of cable attached to the Passive Hub may not exceed 200 feet in length.

The Passive Hub requires no external power and its operation is transparent to the user. (The Passive Hub may not be used in conjunction with the 9484 Active Hub.)

### 9483 RIM Functional Characteristics

#### Interface:

*Internal:* Direct to Datapoint processor via I/O bus

*External:* To 9483 RIM or  
9484 Active Hub or  
9485 Passive Hub

### Physical Characteristics

#### Equipment Dimensions:

*Width:* 10.5 in. (26.7 cm.)  
*Height:* 5.25 in. (13.3 cm.)  
*Depth:* 17.0 in. (43.2 cm.)  
*Weight:* 17.0 lbs. (7.7 kg.)

#### Power Requirements:

115 or 230 VAC, 50 or 60 Hz

#### Environment:

50 to 100 degrees F  
10 to 38 degrees C  
20 to 90% relative humidity, non-condensing

### Model Codes

9483 Resource Interface Module

### 9484 Active Hub Physical Characteristics

#### Equipment Dimensions:

*Width:* 10.5 in. (26.7 cm.)  
*Height:* 5.25 in. (13.3 cm.)  
*Depth:* 17.0 in. (43.2 cm.)  
*Weight:* 16.0 lbs. (7.3 kg.)

#### Power Requirements:

115 or 230 VAC, 50 or 60 Hz

#### Environment:

50 to 100 degrees F  
10 to 38 degrees C  
20 to 90% relative humidity, non-condensing

#### Line Interface:

RG-62 A or B coaxial cable

### Model Codes

9484 Active Hub, 8 ports  
9486 Hub Expander Card, 8 ports  
9487 Active Hub, 16 ports

### 9485 Passive Hub Physical Characteristics

#### Equipment Dimensions:

*Width:* 2.25 in. (5.72 cm.)  
*Height:* 1.13 in. (2.87 cm.)  
*Depth:* 2.80 in. (7.11 cm.)  
*Weight:* 0.5 lbs. (0.23 kg.)

#### Power Requirements:

None

#### Environment:

50 to 100 degrees F  
10 to 38 degrees C  
20 to 90% relative humidity, non-condensing

#### Line Interface:

RG-62 A or B coaxial cable

### Model Codes

9485 Passive Hub