connection to the left of the backplane can connect to a processor base unit or another I/O base unit.

Adjacent base units clip together and are held in position by a plastic retaining clip. Alternatively rows of I/O base units can be connected together using a T9310 expansion cable assembly.

T9300 Base Unit Specification

Table 25 – T9300 Base Unit Specification

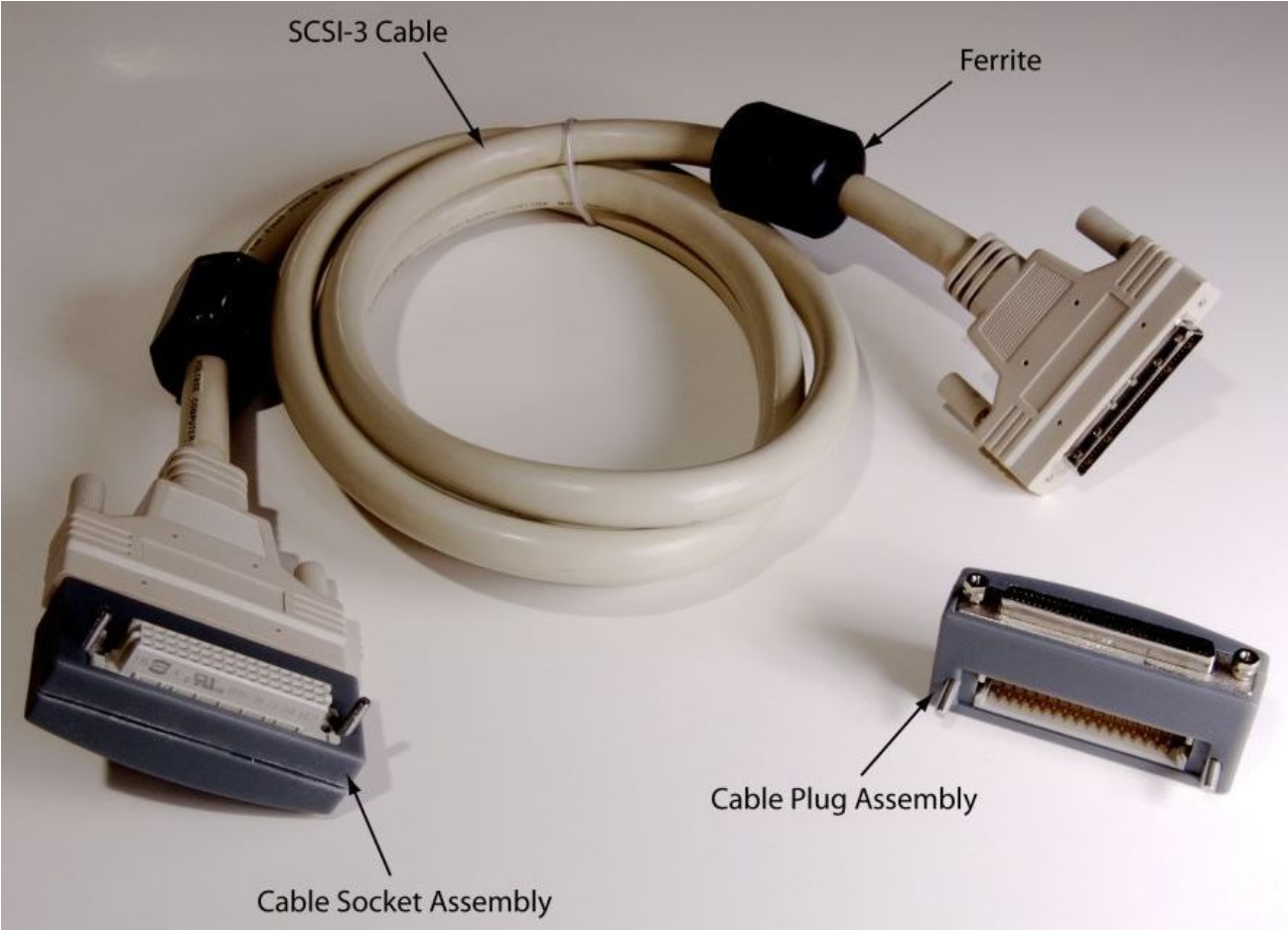| Attribute	Value
Electrical Specification	
Supply voltage requirements	Redundant + 24 Vdc nominal; 18 Vdc to 32 Vdc range (from Processor Base unit)
Physical Specification	
Number of I/O modules supported	1, 2 or 3
Command busses	One
Response busses	24
Buses per system	2
Base units per bus	8
I/O Modules per bus	24 individual modules (not counting grouping) (e.g. 12 dual or 8 triple module groups)
Mechanical Specification	
Dimensions (height × width × depth)	235 mm x 126 mm (9 1/4 in. x 5 in.)
Weight	133 g (5 oz.)

T9310 Expansion Cable Assembly

The T9310 expansion cable assembly connects a T9300 I/O base unit to a different I/O base unit or to the T9100 processor base unit. The assembly consists of a cable, terminated by multi-way plugs, and a pair of adaptors.

One end has a cable socket assembly and the other end a cable plug assembly that connects to the right-hand bus connector of an I/O base unit or to I/O Bus2 (the left hand connector) of a processor base unit. The socket connects to the left-hand bus connector of an I/O base unit.

The expansion cable offers the following features:

- Two meter cable length
- Secured with retaining screws and screw cap screws
- Connects all command and response signals and system power
- Screened to decrease resonance emissions

Figure 29 - Expansion Cable

T9310 Extension Cable Specification

Table 26 - T9310 Extension Cable Specification

Attribute	Value
Electrical Specification	
Carries the following Signals:	Command Bus I/O Response Bus x 24 Backplane 0 V Return Redundant System +24 Vdc_1 & 2 power supplies
Mechanical Specification	
Length	2 m (78.74 in.)

Weight
    SCS1-3 Cable Assembly
    Cable Plug Assembly
    Cable Socket
	57 g (2 oz.)
	50 g (2 oz.)
	50 g (2 oz.)

T9401/2 Digital Input Module, 24 Vdc, 8/16 channel

The T9401/2 digital input module monitors eight (T9401) or sixteen (T9402) isolated digital input channels and measures input voltages in the range 0 V to 32 Vdc. Each channel supplies the digital state and voltage data to the processor module for field device state, line monitoring and field fault detection.