

Tables 33 and 34 describe the communication and connection formats available for output modules.

Table 33 - Output Module Communication Formats

Communication Format	Data Return	Module
Output Data	The owner-controller sends the module only output data.	1756-0A8, 1756-0A16I, 1756-0B8, 1756-0B8I, 1756-0B16I, 1756-0B16IS ⁽¹⁾ , 1756-0B32, 1756-0C8, 1756-0G16, 1756-0H8I, 1756-0N8, 1756-0W16I, 1756-0X8I
Scheduled Output Data	The owner-controller sends the module output data and a CST timestamp value	
Rack Optimization	The owner-controller sends all digital output words to the remote chassis as a single rack image.	
Listen Only—Output Data	These formats have the same definition as those above except that they are Listen-only connections.	
Listen Only—Rack Optimization		
CST Timestamped Fuse Data—Output Data	The owner-controller sends the module only output data. The module returns fuse blown status with the value of the system clock (from its local chassis) when the fuse is either blown or reset.	1756-0A16, 1756-0A8E, 1756-0B16E, 1756-0B8EI, 1756-0V16E, 1756-0V32E
CST Timestamped Fuse Data—Scheduled Output Data	The owner-controller sends the module output data and a CST timestamp value. The module returns fuse blown status with the value of the system clock (from its local chassis) when the fuse is either blown or reset.	
Listen Only - CST Timestamped Fuse Data—Output Data	This choice has the same definition as CST timestamped fuse data - output data except that it is a Listen-only connection.	
Full Diagnostics—Output Data	The owner-controller sends the module only output data. The module returns diagnostic data and a timestamp of diagnostics.	1756-0A8D, 1756-0B16D
Full Diagnostics—Scheduled Output Data	The owner-controller sends the module output data and a CST timestamp value. The module returns diagnostic data and a timestamp of diagnostics.	
Listen Only—Full Diagnostics—Output Data	This format has the same definition as Full diagnostics - output data except that it is a Listen-only connection.	
Scheduled Output Data per Point	The owner-controller sends the module output data and a CST timestamp value.	1756-0B16IS only

(1) The 1756-0B16IS module does not support the Rack optimization, Listen only—rack optimization and Scheduled output data communication formats.

Table 34 - Output Module Module Definitions

Connection	Output Data	Data Return	Module
Data	Data	The owner-controller sends the module only output data.	1756-0B16IEF, 1756-0B16IEFS
	Scheduled Per Module	The owner-controller sends the module output data and a CIP Sync timestamp value.	1756-0B16IEF
	Scheduled Per Point	The owner-controller sends output data and a CIP Sync timestamp value to points configured for scheduling.	1756-0B16IEFS
Listen Only	None	Establishes a Listen-only connection with no data.	1756-0B16IEF, 1756-0B16IEFS
Peer Input with Data	Data with Peer	Establishes a Listen-only connection to input peer modules. See the Peer Ownership Application Technique, publication 1756-AT016 .	1756-0B16IEF