

EtherNet/IP Statement of Conformance

General Device Data	Conforms to EtherNet/IP Specification	Volume I – Release	<u>3.7</u>
		Volume II – Release	<u>1.8</u>
	Vendor Name	<u>Delta Computer Systems, Inc.</u>	
	Device Profile Name	<u>Generic Device (0)</u>	
	Product Catalog Number	<u>RMC100-ENET</u>	
	Product Code	<u>1</u>	
Product Revision	<u>1.4</u>		

EtherNet/IP Physical Conformance Data	EtherNet/IP Performance Levels		Industrial <input type="checkbox"/>	COTS <input checked="" type="checkbox"/>
	Connector Style		Open <input checked="" type="checkbox"/>	Sealed <input type="checkbox"/>
	Copper		RJ-45 <input checked="" type="checkbox"/>	M12-4D <input type="checkbox"/>
		Fiber	SC <input type="checkbox"/>	ST <input type="checkbox"/>
	LEDs Supported		Module <input type="checkbox"/>	Combo Mod/Net <input type="checkbox"/>
	None <input checked="" type="checkbox"/>		Network <input type="checkbox"/>	I/O <input type="checkbox"/>
	IP Address Settings		BOOTP <input checked="" type="checkbox"/>	DHCP <input checked="" type="checkbox"/>
			Switches <input type="checkbox"/>	DNS <input type="checkbox"/>
			Other <input checked="" type="checkbox"/>	S/W Set <input type="checkbox"/>
	Communication Settings	Rate	AutoNegotiate <input checked="" type="checkbox"/>	Switches <input type="checkbox"/>
		Duplex	AutoNegotiate <input checked="" type="checkbox"/>	Switches <input type="checkbox"/>
			Other <input type="checkbox"/>	S/W Set <input type="checkbox"/>
Communication Rates	M bits/sec	10 <input checked="" type="checkbox"/>	100 <input type="checkbox"/>	
	Duplex	Half <input checked="" type="checkbox"/>	1000 <input type="checkbox"/>	
Transformer CMR (Min)		<u>42 dB @ 30 MHz (worst case)</u>		
Direct Connection To Ground		Yes <input checked="" type="checkbox"/>	No <input type="checkbox"/>	

EtherNet/IP Communication Data	Device Network Behavior		Originator <input type="checkbox"/>	Target <input checked="" type="checkbox"/>
	Application Behavior		Listen Only <input type="checkbox"/>	Exclusive Owner <input checked="" type="checkbox"/>
			Redundant Owner <input type="checkbox"/>	Input Only <input checked="" type="checkbox"/>
	Class Type (Number)		Null (0) <input type="checkbox"/>	Dup Detect (1) <input checked="" type="checkbox"/>
			Acknowledged (2) <input type="checkbox"/>	Verified (3) <input checked="" type="checkbox"/>
			Non Blocking (4) <input type="checkbox"/>	Non Blocking Multicast Fragment (5) <input type="checkbox"/>
	Trigger Type		Cyclic <input checked="" type="checkbox"/>	COS <input type="checkbox"/>
			Application <input type="checkbox"/>	
	Forward Open Application Paths(s)		Config: Class <u>04</u> Inst. <u>04</u> Attr. <u>03</u> CP _____	
			Consumed: Class <u>04</u> Inst. <u>02</u> Attr. <u>03</u> CP _____	
	Compress Path <input checked="" type="checkbox"/>		Produced: Class <u>04</u> Inst. <u>01</u> Attr. <u>03</u> CP _____	
	I/O Data		Consumed (O→T) Size <u>98</u>	Fixed <input checked="" type="checkbox"/>
		Produced (T→O) Size <u>162</u>	Fixed <input checked="" type="checkbox"/>	
Real Time Transfer Formats		O→T Modeless <input type="checkbox"/>	Zero Length <input type="checkbox"/>	
		Heartbeat <input checked="" type="checkbox"/>	32-Bit Header <input checked="" type="checkbox"/>	
T→O Modeless <input checked="" type="checkbox"/>		Zero Length <input type="checkbox"/>	Heartbeat <input checked="" type="checkbox"/>	
		32-Bit Header <input type="checkbox"/>		
O→T Parameters	Priority	Low <input type="checkbox"/>	High <input type="checkbox"/>	
	Type	Null <input type="checkbox"/>	Multicast <input type="checkbox"/>	
T→O Parameters	Priority	Low <input type="checkbox"/>	High <input type="checkbox"/>	
	Type	Null <input type="checkbox"/>	Multicast <input checked="" type="checkbox"/>	
RPI Supported	RPI Tick <u>1ms</u>	RPI Min <u>5ms</u>	RPI Max <u>3200ms</u>	
Optional Encapsulation Services		ListInterfaces <input checked="" type="checkbox"/>	IndicateStatus <input checked="" type="checkbox"/>	
			Cancel <input type="checkbox"/>	

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EtherNet/IP Object Implementation	Identity Object 0x01					
	Object Class	ID	Description	Get	Set	Value Limits
<input checked="" type="checkbox"/> Open <input type="checkbox"/> Vendor Specific	Attributes	1	Revision	<input type="checkbox"/>	<input type="checkbox"/>	_____
		2	Max Instance	<input type="checkbox"/>	<input type="checkbox"/>	_____
	<input checked="" type="checkbox"/> None Supported	3	Number of Instances	<input type="checkbox"/>	<input type="checkbox"/>	_____
Device Profile Requirement <input checked="" type="checkbox"/> Required <input type="checkbox"/> Optional <input type="checkbox"/> Not Specified	EtherNet/IP Services			Parameter Options		
	Services	<input type="checkbox"/>	Get_Attribute_Single	_____		
	<input type="checkbox"/> None Supported	<input type="checkbox"/>	Reset	_____		
		<input checked="" type="checkbox"/>	Get_Attributes_All	_____		
		<input type="checkbox"/>	Find_Next_Object_Instance	_____		
	Object Instance	ID	Description	Get	Set	Value Limits
	Attributes	1	Vendor ID	<input checked="" type="checkbox"/>	<input type="checkbox"/>	590
		2	Device Type	<input checked="" type="checkbox"/>	<input type="checkbox"/>	0
		3	Product Code	<input checked="" type="checkbox"/>	<input type="checkbox"/>	1
		4	Revision	<input checked="" type="checkbox"/>	<input type="checkbox"/>	1.4
		5	Status	<input checked="" type="checkbox"/>	<input type="checkbox"/>	_____
		6	Serial Number	<input checked="" type="checkbox"/>	<input type="checkbox"/>	_____
		7	Product Name	<input checked="" type="checkbox"/>	<input type="checkbox"/>	RMC100-ENET
		8	State	<input checked="" type="checkbox"/>	<input type="checkbox"/>	_____
		9	Config. Consistency Value	<input type="checkbox"/>	<input type="checkbox"/>	_____
		10	Heartbeat Interval	<input type="checkbox"/>	<input type="checkbox"/>	_____
	EtherNet/IP Services			Parameter Options		
	Services	<input checked="" type="checkbox"/>	Get_Attribute_Single	_____		
		<input type="checkbox"/>	Set_Attribute_Single	_____		
		<input checked="" type="checkbox"/>	Reset	Reset types 0 and 1		
		<input checked="" type="checkbox"/>	Get_Attributes_All	_____		
	Vendor Specific Additions	If yes, fill out the Vendor Specific Additions form (Form 9)		Yes	<input type="checkbox"/>	
				No	<input checked="" type="checkbox"/>	

Form 2

- Get** to indicate that attribute value is returned by the use of Get_Attribute_Single service
- Set** to indicate that attribute value can be set by the use of Set_Attribute_Single service

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EtherNet/IP Object Implementation	Message Router Object 0x02					
	Object Class	ID	Description	Get	Set	Value Limits
<input checked="" type="checkbox"/> Open <input type="checkbox"/> Vendor Specific	Attributes	1	Revision	<input type="checkbox"/>	<input type="checkbox"/>	_____
		2	Max Instance	<input type="checkbox"/>	<input type="checkbox"/>	_____
	<input checked="" type="checkbox"/> None Supported	3	Number of Instances	<input type="checkbox"/>	<input type="checkbox"/>	_____
			<u>EtherNet/IP Services</u>		<u>Parameter Options</u>	
Device Profile Requirement <input checked="" type="checkbox"/> Required <input type="checkbox"/> Optional <input type="checkbox"/> Not Specified	Services	<input type="checkbox"/>	Get_Attribute_Single	_____		
	<input checked="" type="checkbox"/> None Supported	<input type="checkbox"/>	Get_Attributes_All	_____		
			<u>EtherNet/IP Services</u>		<u>Parameter Options</u>	
			Object Instance		ID Description Get Set Value Limits	
	Attributes	1	Object List	<input type="checkbox"/>	<input type="checkbox"/>	_____
		2	Number Available	<input type="checkbox"/>	<input type="checkbox"/>	_____
	<input checked="" type="checkbox"/> None Supported	3	Number Active	<input type="checkbox"/>	<input type="checkbox"/>	_____
		4	Active Connections	<input type="checkbox"/>	<input type="checkbox"/>	_____
			<u>EtherNet/IP Services</u>		<u>Parameter Options</u>	
			Services		<input type="checkbox"/> Get_Attribute_Single _____	
			<input checked="" type="checkbox"/> None Supported		<input type="checkbox"/> Get_Attributes_All _____	
Vendor Specific Additions			If yes, fill out the Vendor Specific Additions form (Form 9)		Yes	<input type="checkbox"/>
					No	<input checked="" type="checkbox"/>

Form 3

- Get** to indicate that attribute value is returned by the use of Get_Attribute_Single service
- Set** to indicate that attribute value can be set by the use of Set_Attribute_Single service

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EtherNet/IP Object Implementation		Connection Manager Object 0x06					
		Object Class	ID	Description	Get	Set	Value Limits
<input checked="" type="checkbox"/> Open	<input type="checkbox"/> Vendor Specific	Attributes	1	Revision	<input type="checkbox"/>	<input type="checkbox"/>	_____
			2	Max Instance	<input type="checkbox"/>	<input type="checkbox"/>	_____
		<input checked="" type="checkbox"/> None Supported	3	Number of Instances	<input type="checkbox"/>	<input type="checkbox"/>	_____
		<u>EtherNet/IP Services</u>			<u>Parameter Options</u>		
<input checked="" type="checkbox"/> Required	<input type="checkbox"/> Optional	Services	<input type="checkbox"/>	Get_Attribute_Single	_____		
		<input checked="" type="checkbox"/> None Supported	<input type="checkbox"/>	Get_Attributes_All	_____		
		<input type="checkbox"/> Not Specified	<u>Object Instance</u>				
		Attributes	1	Open Requests	<input type="checkbox"/>	<input type="checkbox"/>	_____
			2	Open Format Rejects	<input type="checkbox"/>	<input type="checkbox"/>	_____
		<input checked="" type="checkbox"/> None Supported	3	Open Resource Rejects	<input type="checkbox"/>	<input type="checkbox"/>	_____
			4	Open Other Rejects	<input type="checkbox"/>	<input type="checkbox"/>	_____
			5	Close Requests	<input type="checkbox"/>	<input type="checkbox"/>	_____
			6	Close Format Rejects	<input type="checkbox"/>	<input type="checkbox"/>	_____
			7	Close Other Rejects	<input type="checkbox"/>	<input type="checkbox"/>	_____
			8	Connection Timeouts	<input type="checkbox"/>	<input type="checkbox"/>	_____
			9	Connection Entry List	<input type="checkbox"/>	<input type="checkbox"/>	_____
			11	CPU Utilization	<input type="checkbox"/>	<input type="checkbox"/>	_____
			12	Max Buffer Size	<input type="checkbox"/>	<input type="checkbox"/>	_____
			13	Buffer Size Remaining	<input type="checkbox"/>	<input type="checkbox"/>	_____
		<u>EtherNet/IP Services</u>			<u>Parameter Options</u>		
		Services	<input type="checkbox"/>	Get_Attribute_Single	_____		
		<input type="checkbox"/> None Supported	<input type="checkbox"/>	Get_Attributes_All	_____		
			<input type="checkbox"/>	Set_Attribute_Single	_____		
			<input checked="" type="checkbox"/>	Forward_Close	_____		
			<input type="checkbox"/>	Unconnected_Send	_____		
			<input checked="" type="checkbox"/>	Forward_Open	_____		
			<input type="checkbox"/>	Get_Connection_Data	_____		
			<input type="checkbox"/>	Search_Connection_Data	_____		
			<input type="checkbox"/>	Large_Forward_Open	_____		
			<input type="checkbox"/>	Get_Connection_Owner	_____		
		Vendor Specific Additions	If yes, fill out the Vendor Specific Additions form (Form 9)		Yes	<input type="checkbox"/>	
					No	<input checked="" type="checkbox"/>	

Form 4

- Get** to indicate that attribute value is returned by the use of Get_Attribute_Single service
- Set** to indicate that attribute value can be set by the use of Set_Attribute_Single service

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EtherNet/IP Object Implementation		TCP/IP Interface Object 0xF5					
		Object Class	ID	Description	Get	Set	Value Limits
<input checked="" type="checkbox"/> Open <input type="checkbox"/> Vendor Specific	Attributes		1	Revision	<input type="checkbox"/>	<input type="checkbox"/>	_____
			2	Max Instance	<input type="checkbox"/>	<input type="checkbox"/>	_____
	<input checked="" type="checkbox"/> None Supported		3	Number of Instances	<input type="checkbox"/>	<input type="checkbox"/>	_____
		<u>EtherNet/IP Services</u>			<u>Parameter Options</u>		
Device Profile Requirement <input checked="" type="checkbox"/> Required <input type="checkbox"/> Optional <input type="checkbox"/> Not Specified	Services		<input type="checkbox"/>	Get_Attribute_Single	_____		
	<input checked="" type="checkbox"/> None Supported		<input type="checkbox"/>	Get_Attributes_All	_____		
		Object Instance	ID	Description	Get	Set	Value Limits
	Attributes		1	Status	<input checked="" type="checkbox"/>	<input type="checkbox"/>	_____
			2	Configuration Capability	<input checked="" type="checkbox"/>	<input type="checkbox"/>	5 _____
			3	Configuration Control	<input checked="" type="checkbox"/>	<input type="checkbox"/>	_____
			4	Physical Link Object	<input checked="" type="checkbox"/>	<input type="checkbox"/>	_____
			5	Interface Configuration	<input checked="" type="checkbox"/>	<input type="checkbox"/>	_____
			6	Host Name	<input checked="" type="checkbox"/>	<input type="checkbox"/>	_____
			7	Safety Network Number	<input type="checkbox"/>	<input type="checkbox"/>	_____
			8	TTL Value	<input checked="" type="checkbox"/>	<input type="checkbox"/>	_____
			9	Mcast Config	<input checked="" type="checkbox"/>	<input type="checkbox"/>	_____
		<u>EtherNet/IP Services</u>			<u>Parameter Options</u>		
	Services		<input checked="" type="checkbox"/>	Get_Attribute_Single	_____		
			<input checked="" type="checkbox"/>	Get_Attributes_All	_____		
			<input checked="" type="checkbox"/>	Set_Attribute_Single	_____		
			<input type="checkbox"/>	Set_Attributes_All	_____		
Vendor Specific Additions		If yes, fill out the Vendor Specific Additions form (Form 9)			Yes	<input type="checkbox"/>	
					No	<input checked="" type="checkbox"/>	

Form 5

- Get** to indicate that attribute value is returned by the use of Get_Attribute_Single service
- Set** to indicate that attribute value can be set by the use of Set_Attribute_Single service

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EtherNet/IP Object Implementation	Ethernet Link Object 0xF6					
Object Class	ID	Description	Get	Set	Value Limits	
<input checked="" type="checkbox"/> Open <input type="checkbox"/> Vendor Specific	Attributes	1	Revision	<input checked="" type="checkbox"/>	<input type="checkbox"/>	2 _____
		2	Max Instance	<input type="checkbox"/>	<input type="checkbox"/>	_____
	<input type="checkbox"/> None Supported	3	Number of Instances	<input type="checkbox"/>	<input type="checkbox"/>	_____
			<u>EtherNet/IP Services</u>		<u>Parameter Options</u>	
Device Profile Requirement <input checked="" type="checkbox"/> Required <input type="checkbox"/> Optional <input type="checkbox"/> Not Specified	Services	<input checked="" type="checkbox"/>	Get_Attributes_All	_____		
	<input type="checkbox"/> None Supported	<input checked="" type="checkbox"/>	Get_Attribute_Single	_____		
			<u>EtherNet/IP Services</u>		<u>Parameter Options</u>	
Object Instance	ID	Description	Get	Set	Value Limits	
	Attributes	1	Interface Speed	<input checked="" type="checkbox"/>	<input type="checkbox"/>	10 MHz _____
		2	Interface Flags	<input checked="" type="checkbox"/>	<input type="checkbox"/>	_____
		3	Physical Address	<input checked="" type="checkbox"/>	<input type="checkbox"/>	_____
		4	Interface Counters	<input type="checkbox"/>	<input type="checkbox"/>	_____
		5	Media Counters	<input type="checkbox"/>	<input type="checkbox"/>	_____
		6	Interface Control	<input type="checkbox"/>	<input type="checkbox"/>	_____
			<u>EtherNet/IP Services</u>		<u>Parameter Options</u>	
	Services	<input checked="" type="checkbox"/>	Get_Attribute_Single	_____		
		<input checked="" type="checkbox"/>	Get_Attributes_All	_____		
		<input type="checkbox"/>	Set_Attribute_Single	_____		
		<input type="checkbox"/>	Get_and_Clear	_____		
Vendor Specific Additions			If yes, fill out the Vendor Specific Additions form (Form 9)	Yes <input type="checkbox"/>	No <input checked="" type="checkbox"/>	

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EtherNet/IP Object Implementation	Assembly Object 0x04					
Object Class	ID	Description	Get	Set	Value Limits	
<input checked="" type="checkbox"/> Open <input type="checkbox"/> Vendor Specific	Attributes	1	Revision	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<u>2</u>
		2	Max Instance	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<u>4</u>
	<input type="checkbox"/> None Supported	3	Number of Instances	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<u>3</u>
			<u>EtherNet/IP Services</u>		<u>Parameter Options</u>	
Device Profile Requirement <input checked="" type="checkbox"/> Required <input type="checkbox"/> Optional <input type="checkbox"/> Not Specified	Services	<input checked="" type="checkbox"/>	Get_Attribute_Single	_____		
	<input type="checkbox"/> None Supported	<input type="checkbox"/>	Create	_____		
		<input type="checkbox"/>	Delete	_____		
Object Instance		Instance Type		Instance ID(s)		
<i>The Object Instance section must be completed for each instance type implemented</i>		Static Input	<input checked="" type="checkbox"/>	<u>1</u>		
		Static Output	<input checked="" type="checkbox"/>	<u>2</u>		
		Static I/O	<input type="checkbox"/>	_____		
		Static Configuration	<input checked="" type="checkbox"/>	<u>4</u>		
		Dynamic	<input type="checkbox"/>	_____		
		ID	Description	Get	Set	Value Limits
Attributes	1	Number of Members in List	<input type="checkbox"/>	<input type="checkbox"/>	_____	
	2	Member List	<input type="checkbox"/>	<input type="checkbox"/>	_____	
	3	Data	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	_____	
	4	Size	<input type="checkbox"/>	<input type="checkbox"/>	_____	
			<u>EtherNet/IP Services</u>		<u>Parameter Options</u>	
Services	<input checked="" type="checkbox"/>	Get_Attribute_Single	_____			
	<input checked="" type="checkbox"/>	Set_Attribute_Single	_____			
	<input type="checkbox"/>	Delete	_____			
	<input type="checkbox"/>	Insert_Member	_____			
	<input type="checkbox"/>	Remove_Member	_____			
	<input type="checkbox"/>	Get_Member	_____			
	<input type="checkbox"/>	Set_Member	_____			
Vendor Specific Additions		If yes, fill out the Vendor Specific Additions form (Form 9)		Yes	<input type="checkbox"/>	
				No	<input checked="" type="checkbox"/>	

