

Base Data for MTI									Ethernet MTI	CAN MTI	CAN Data	
Bits	Has Destination ID 1	Has Event ID 1	Flag A 1	Flag B 1	Flag C 1	Flag D 1	Priority Group 2	Type 5	Flag D/Priority/Type 8 hex	16 hex	Top 17 bits of CAN header, ddd refers to destination address. 17 bits hex	Goes at start of CAN data, if present 8 hex
Base Messages												
Node number Allocate						0	0	0	00	2000		Ethernet Only
No Filtering			1	1	1	0	0	1	01	0017	18017	(Still under discussion)
Initialization Complete			1	1	1	0	0	8	08	0087	18087	Full Source Node ID
Verify Node ID Number	Y					0	0	10	0A	10A4	1Eddd	0A
Verify Node ID Number			1	1	1	0	0	10	0A	00A7	180A7	
Verified Node ID Number			1	1	1	0	0	11	0B	00B7	180B7	Full Source Node ID
Optional Interaction Rejected	Y					0	0	12	0C	10C4	1Eddd	0C
Terminate Due to Error	Y					0	0	13	0D	10D4	1Eddd	0D
Protocol Support Messages												
Protocol Support Inquiry	Y					0	1	14	2E	12E4	1Eddd	2E
Protocol Support Reply	Y					0	1	15	2F	12F4	1Eddd	2F
Event Exchange Messages												
Identify Consumer		Y	1	1	1	0	1	4	24	024F	1824F	EventID (no room for DestID!)
Consumer Identify Range		Y	1	1	1	0	1	5	25	025F	1825F	EventID w mask (no room for DestID!)
Consumer Identified		Y	1	1	1	0	1	6	26	026F	1826F	EventID (no room for DestID!)
Identify Producer		Y	1	1	1	0	1	8	28	028F	1828F	EventID (no room for DestID!)
Producer Identify Range		Y	1	1	1	0	1	9	29	029F	1829F	EventID w mask (no room for DestID!)
Producer Identified		Y	1	1	1	0	1	10	2A	02AF	182AF	EventID (no room for DestID!)
Identify Events	Y					0	1	11	2B	12B4	1Eddd	2B
Identify Events			1	1	1	0	1	11	2B	02B7	182B7	
Learn Event		Y	1	1	1	0	1	12	2C	02CF	182CF	EventID
Producer/Consumer Event Report		Y	1	1	1	0	1	13	2D	02DF	182DF	EventID
Other Messages												
Xpressnet			1	1	1	0	2	17	51	0517	18517	Xpressnet packet
Simple Node Ident Info Request	Y					0	2	18	52	1524	1Eddd	52
Simple Node Ident Info Reply	Y					0	2	19	53	1534	1Eddd	53
Datagram Messages												
Datagram (General)	Y					0	2	0	40	1404	1 B/C/D/E ddd	Data (0-8 bytes) (1D in MTI is end of datagram)
Datagram Received OK	Y					0	2	12	4C	14C4	1Eddd	4C
Datagram Rejected	Y					0	2	13	4D	14D4	1Eddd	4D
Stream Messages												
Stream Initiate Request	Y					0	2	14	4E	14E4	1Eddd	4E
Stream Initiate Reply	Y					0	2	15	4F	14F4	1Eddd	4F
Stream Data Send	Y					0	3	9	69	1694	1Fddd	(stream IDs inferred on CAN); 8 bytes data
Stream Data Proceed	Y					0	3	10	6A	16A4	1Eddd	6A
Stream Data Complete	Y					0	3	11	6B	16B4	1Eddd	6B
CAN Unaddressed message												
CAN priority	1	1										
Control Type	4	8										
Spare flag D	1	0										
priority	2	0-3										
type	5	0-31										
Has Event ID	1	0-1										
Spare Flag A	1	1										
Spare Flag B	1	1										
Spare Flag C	1	1										
Data length	DLC	0-8										
Ethernet unaddressed msg												
Length	8	9-17										
Protocol Group	3	0										
Has destination id	1	0										
Spare flag D	1	0										
priority	2	0-3										
type	5	0-31										
Has Event ID	1	0-1										
Spare Flag A	1	1										
Spare Flag B	1	1										
Spare Flag C	1	1										
Ethernet addressed msg												
Length	8	15-79										
Protocol Group	3	1										
Has destination id	1	1										
Protocol ID	8	0-255										
Not used *	4	4										

* These bits can't be used for messages that need to be sent over CAN