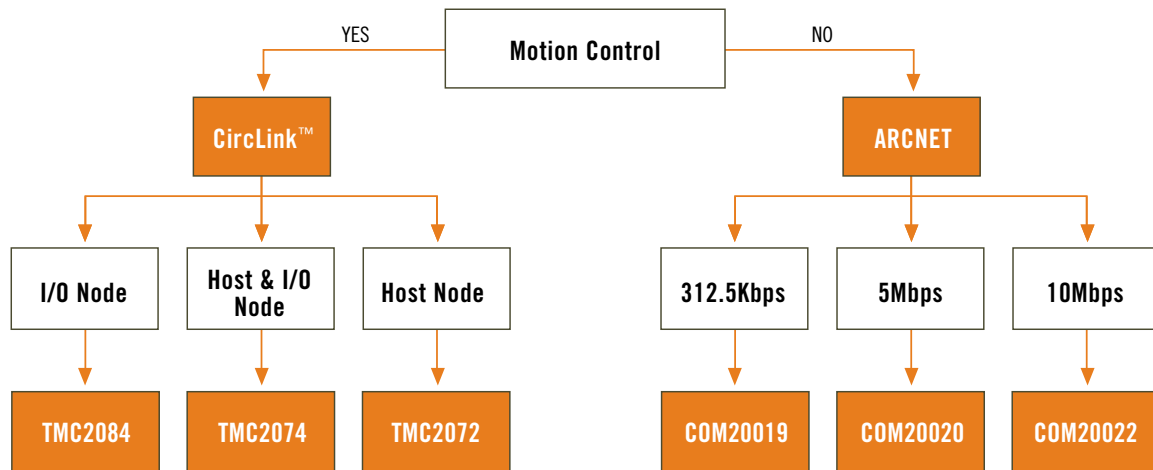


	ARCNET CONTROLLERS					CIRCLINK™ CONTROLLERS		
Part Number	COM20019I	COM20020I	COM20020I 3.3V	COM20022I	COM20022I 3.3V	TMC2074	TMC2072	TMC2084
Package	28PLCC/48TQFP	28PLCC/48TQFP	28PLCC/48TQFP	48TQFP	48TQFP	128VTQFP	100TQFP	48TQFP
Lead-Free Package	28PLN/48TQN	28PLN/48TQN	28PLN/48TQN	48TQN	48TQN	128VTQN	100TQN	48TQN
Temperature	-40 C° - +85 C°	-40 C° - +85 C°	-40 C° - +85 C°	-40 C° - +85 C°	-40 C° - +85 C°	0 C° - +70 C°	0 C° - +70 C°	0 C° - +70 C°
Power Supply	+5V	+5V	+3.3V	+5V	+3.3V	+3.3V w/ +5V tolerance	+3.3V w/ +5V tolerance	+3.3V w/ +5V tolerance
Bus Width	8 Bit	8 Bit	8 Bit	8 / 16 Bit	8 / 16 Bit	8 / 16 Bit	8 / 16 Bit	N/A
Input/Output	N/A	N/A	N/A	N/A	N/A	16 in, 16 out at CPU less mode	N/A	0 in, 32 out 8 in, 24 out 16 in, 16 out
Data Rate	156.25Kbps - 312.5Kbps	156.25Kbps - 5Mbps	156.25Kbps - 5Mbps	156.25Kbps - 10Mbps	156.25Kbps - 10Mbps	156.25Kbps - 5Mbps	156.25Kbps - 5Mbps	156.25Kbps - 5Mbps
RAM	2K x8	2K x8	2K x8	2K x8	2K x8	1K x8	1K x8	N/A
Packet Size	1 - 508 bytes	1 - 508 bytes	1 - 508 bytes	1 - 508 bytes	1 - 508 bytes	1 - 253/125/61/29 bytes	1 - 253/125/61/29 bytes	8 bytes
Maximum Node ID	255 nodes	255 nodes	255 nodes	255 nodes	255 nodes	3/7/15/31 nodes	3/7/15/31 nodes	15 nodes
HUB Function	None	None	None	None	None	3 ports	3 ports	N/A
Microcontroller Interface	x86/68XXX/SH etc	x86/68XXX/SH etc	x86/68XXX/SH etc	x86/68XXX/SH etc	x86/68XXX/SH etc	x86/68XXX/SH etc	x86/68XXX/SH etc	N/A
Supporting Transceiver	HYC2000 RS-485 Optical	SMSC HYCs RS-485 Optical	SMSC HYCs RS-485 Optical	SMSC HYCs RS-485 Optical	SMSC HYCs RS-485 Optical	SMSC HYCs RS-485 Optical CAN Transceiver	SMSC HYCs RS-485 Optical CAN Transceiver	SMSC HYCs RS-485 Optical CAN Transceiver

	ARCNET HYBRID TRANSCEIVERS					
Part Number	HYC9088A R	HYC9088A R-LF	HYC2000	HYC2000-R	HYC4000	HYC5000
Package	20SIP	N/A	8SIP	N/A	8SIP	N/A
Lead-Free Package	N/A	20SIPN	N/A	8SIPN	N/A	8SIPN
Temperature	0 C° - +70 C°	0 C° - +70 C°	0 C° - +70 C°	0 C° - +70 C°	0 C° - +70 C°	0 C° - +70 C°
Power Supply	±5V	±5V	+5V	+5V	+5V	+5V
Signal Type	Di-Pulse	Di-Pulse	Bi-Polar	Bi-Polar	Bi-Polar	Bi-Polar
Data Rate	2.5Mbps	2.5Mbps	156.25Kbps - 625Kbps	156.25Kbps - 625Kbps	2.5Mbps - 10Mbps	2.5Mbps - 10Mbps
Supporting Topology	Bus/Star/Mix	Bus/Star/Mix	Bus/Star/Mix	Bus/Star/Mix	Bus/Star/Mix	Bus/Star/Mix
Supporting Cables	Twist Pair/Coax	Twist Pair/Coax	Twist Pair	Twist Pair	Twist Pair/Coax	Twist Pair/Coax
Supporting Network	ARCNET	ARCNET	ARCNET	ARCNET	ARCNET	ARCNET

	ARCNET HUB
Part Number	TMC2005-JT
Lead-Free Package	64TQN
Temperature	0 C° - +85 C°
Power Supply	+5V
Data Rate	156.25Kbps - 10Mbps
Cable	Twist pair • Coax • Optical
Number of Ports	5 ports
Supporting Network	ARCNET
Supporting Transceiver	HYCs • RS-485 • Optical

Real Time / Internal Networking



ALL ARCNET PRODUCTS SUPPORT INDUSTRIAL TEMPERATURE RANGES

For more information visit www.smisc.com or call 1.800.443.SEMI
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