

# NETWORK INFRASTRUCTURE PRODUCT MATRIX



## Ethernet Repeater Products

## Phoneline Networking

## Ethernet Physical Layer Products

	MANAGED	UNMANAGED			
<b>Product Name</b>	eIMR+™	eIMR™	HomePHY™	NetPHY™-1LP	NetPHY™-4LP
<b>Part Number</b>	Am79C985	Am79C984A	Am79C901A	Am79C874	Am79C875
<b>Device Type</b>	Repeater	Repeater	PHY	PHY	PHY
<b>Speed</b>	10Mbps	10Mbps	1 Mbps HomePNA 10 Mbps Ethernet	10/100 Mbps	10/100 Mbps
<b>Application</b>	Repeater	Repeater	HomePNA1.1 NIC, Switch	NIC, Switch Repeater	Switch, Repeater
<b>Management Capability</b>	w/HIMIB	n/a	n/a	MDC/MDIO	MDC/MDIO
<b>Half/Full Duplex</b>	n/a	n/a	✓ On 10Mbps	✓	✓
<b>Number of Ports Supported</b>	4 10BASE-T 1 AUI	4 10BASE-T 1 AUI	1	1	4
<b>Fiber Support</b>	✓**	✓**	n/a	FX on 100Mbps	FX on 100Mbps (one port)
<b>RMII Support</b>	n/a	n/a	n/a	n/a	✓
<b>MII Support</b>	n/a	n/a	✓	n/a	✓
<b>GPSI Support</b>	n/a	n/a	✓	✓	n/a
<b>On-chip Filtering and Waveshaping</b>	✓	✓	✓ On 10Mbps	✓ On 10Mbps	✓ On 10Mbps
<b>Industrial Temperature (-40°C to +85°C)</b>	n/a	n/a	✓	✓	✓
<b>Auto Polarity Detection and Correction</b>	✓	✓	✓	✓	✓
<b>Auto Negotiation</b>	n/a	n/a	✓	✓	✓
<b>LED Support</b>	✓	✓	✓	n/a	n/a
<b>Parallel LED's</b>	n/a	n/a	5 per port	7 per port	3 per port
<b>Reversible AUI Port</b>	✓ (1)	✓ (1)	n/a	n/a	n/a
<b>Power Supply</b>	5V	5V	3.3V	3.3V	3.3V
<b>Packaging/Pin Count</b>	PLCC/84 PQFP/100	PLCC/84 PQFP/100	PLCC/68 TQFP/80	TQFP/80	PQFP/100
<b>Expansion Capability</b>	✓ (on-chip arbitration)	✓ (on-chip arbitration)	n/a	n/a	n/a
<b>Extended Distance Option (10 Base-T)</b>	✓	✓	✓ On 10Mbps	n/a	n/a
<b>Evaluation Kit</b>		eIMR-EVAL-KT	HomePHY-EVAL-KT (Uses PLCC Package)	NetPHY-1LP-KT/M	NetPHY-4LP-KT/RF

\*Statistics Counters for 9 ports

\*\* Available through AUI - requires external MAU

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