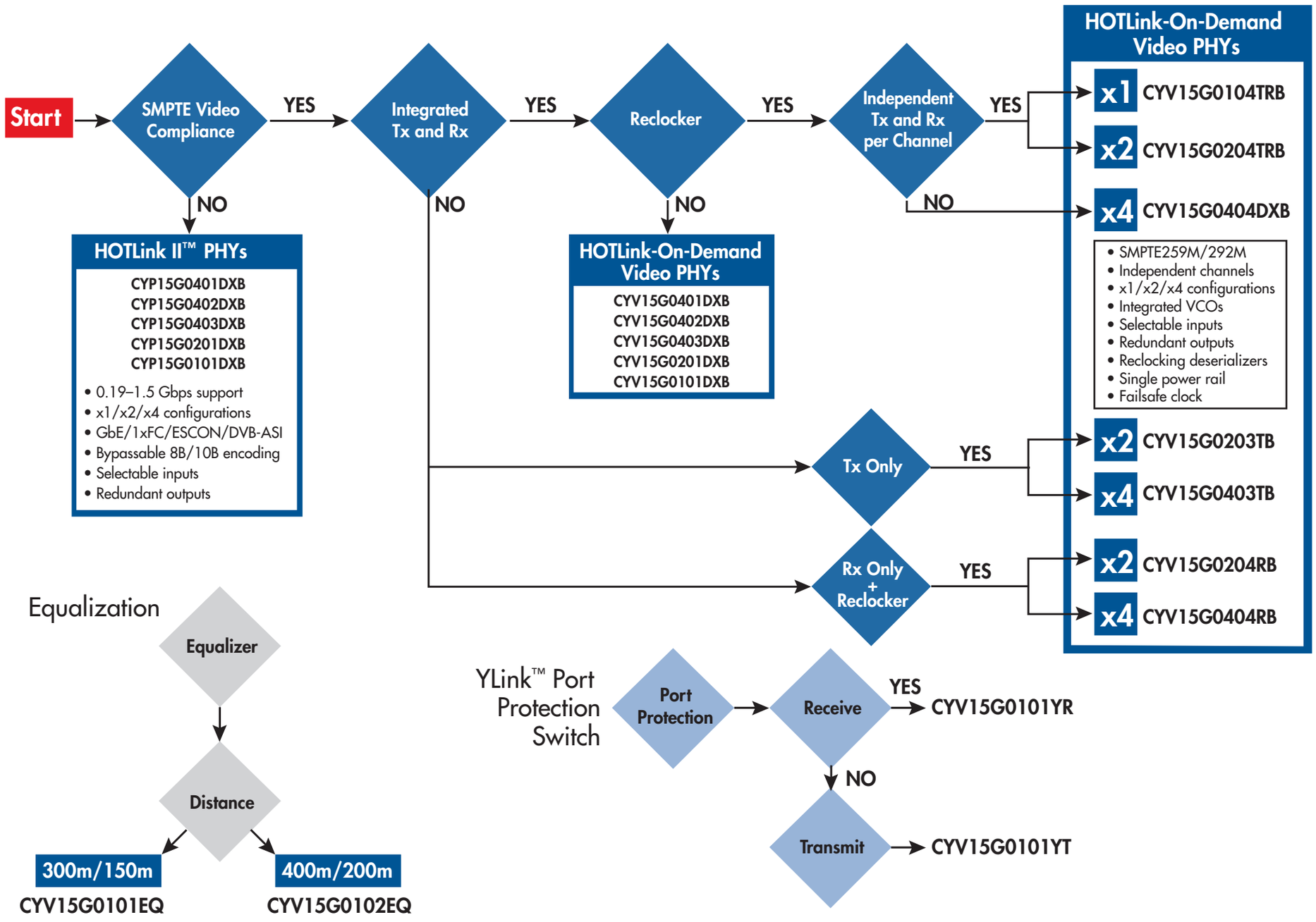
HOTLink-On-Demand™ Video PHY Solutions



HOTLink-On-Demand™ Part Number Decoder

CY	+	V	+	15G	+	0x	+	0x	+	xx	+	B
Cypress Device		Video PHY		1.5 Gbps Support		# of Channels		Device Function Revision		Device Integration		Silicon Revision

Device Function Revision

01 PHY: 8B/10B Endec, Channel Bonding; EQ: Standard Cable Length; YLink: SMPTE device
02 PHY: No 8B/10B Endec, No Channel Bonding; EQ: Extended Cable Length
03 Independent Channel
04 Independent Channel with Reclocker

Device Integration

DX Integrated Tx/Rx Channel
T Transmit Only Channel
R Receive Only Channel
TR Independent Transmit and Receive Channels
EQ - Equalizer
YR - Port Protection Switch Receiver
YT - Port Protection Switch Transmitter

HOTLink II™ PHY Portfolio

Part No.	No. of Transmitters	No. of Receivers	Reclocker	Independent Channels	Independent Tx/Rx per Channel	8B/10B ENDEC
CYV15G0101DXB	1	1	No	No	No	Yes
CYV15G0104TRB	1	1	Yes	No	Yes	No
CYV15G0201DXB	2	2	No	No	No	Yes
CYV15G0204TRB	2	2	Yes	Yes	Yes	No
CYV15G0203TB	2	0	No	Yes	N/A	No
CYV15G0204RB	0	2	Yes	Yes	N/A	No
CYV15G0401DXB	4	4	No	No	No	Yes
CYV15G0402DXB	4	4	No	No	No	No
CYV15G0403DXB	4	4	No	Yes	No	Yes
CYV15G0403TB	4	0	No	Yes	N/A	No
CYV15G0404DXB	4	4	Yes	Yes	No	Yes
CYV15G0404RB	0	4	Yes	Yes	N/A	No
CYP15G0101DXB	1	1	No	No	No	Yes
CYP15G0201DXB	2	2	No	No	No	Yes
CYP15G0401DXB	4	4	No	No	No	Yes
CYP15G0402DXB	4	4	No	No	No	No
CYP15G0403DXB	4	4	No	Yes	No	Yes

Equalizer

Part No.	Standards Supported	Pin-Compatible	SD Cable Length	HD Cable Length
CYV15G0101EQ	DVB/SD/HD	Yes	300m	150m
CYV15G0102EQ	DVB/SD/HD	Yes	400m	200m

YLink™ Port Protection Switch

Part No.	Function	No. of Inputs	No. of Outputs
CYV15G0101YR	Receive	2	1
CYV15G0101YT	Transmit	1	2

© Copyright 2005 Cypress Semiconductor Corp. Printed in U.S.A. The Cypress logo and HOTLink are registered trademarks and HotLink-on-Demand and HOTLink II are trademarks of Cypress. All rights reserved.