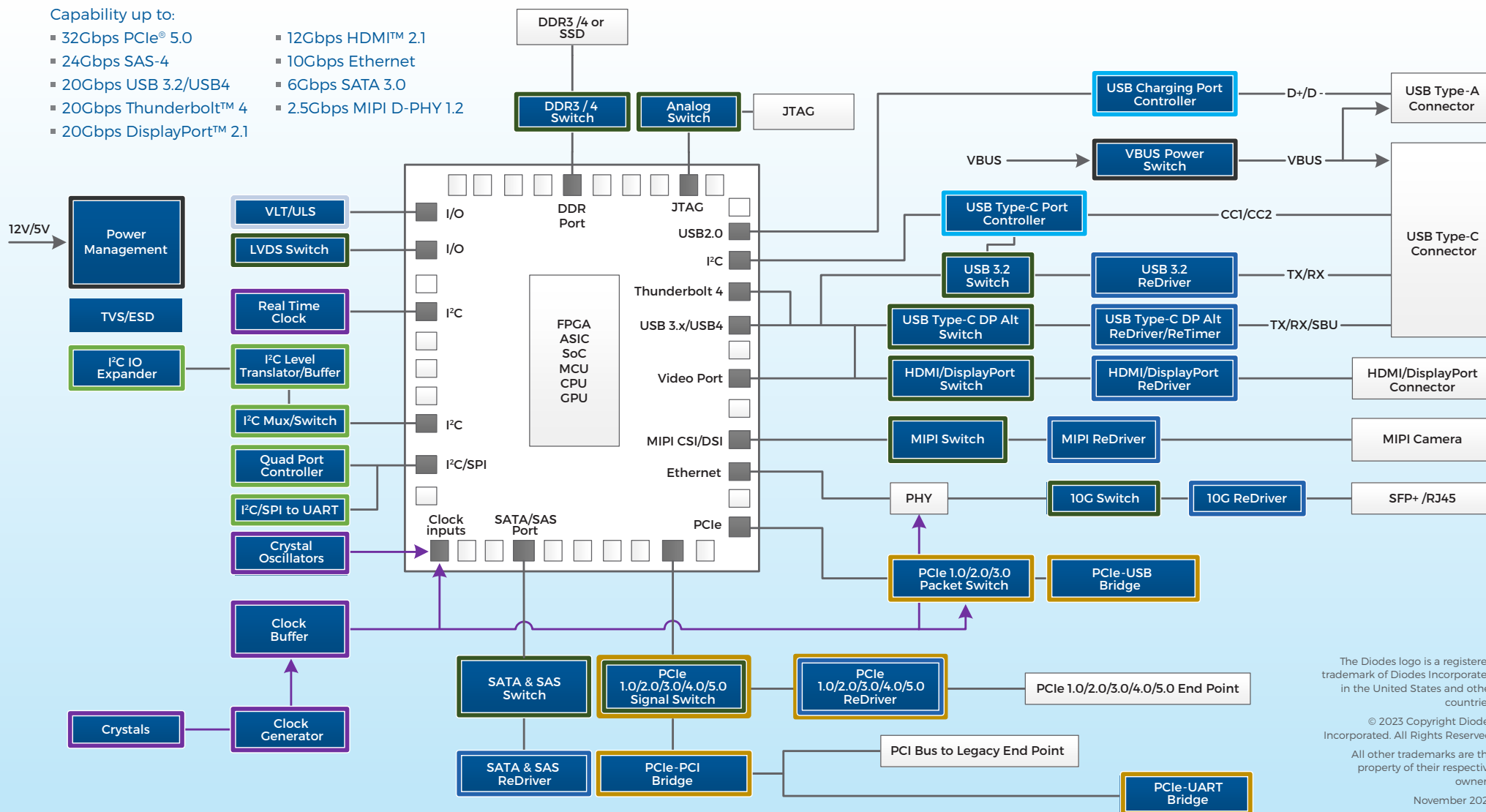


Capability up to:

- 32Gbps PCIe® 5.0
- 24Gbps SAS-4
- 20Gbps USB 3.2/USB4
- 20Gbps Thunderbolt™ 4
- 20Gbps DisplayPort™ 2.1
- 12Gbps HDMI™ 2.1
- 10Gbps Ethernet
- 6Gbps SATA 3.0
- 2.5Gbps MIPI D-PHY 1.2



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November 2023

TIMING					
Crystals	Crystal Oscillators	Clock Generators	Clock Buffers	PCIe Clocks	Real Time Clocks
Freqs: 8 to 80MHz, plus 32.768kHz Sizes: 7.0 x 5.0mm down to 1.6 x 1.2mm	Up to 1,000MHz, plus 32.768kHz Outputs: CMOS, LVDS, LVPECL, HCSL, CML Sizes: 7.0 x 5.0mm down to 1.6 x 1.2mm	PI6LC48Hxx PI6LC48Sxx PI6LC58Sxx	PI6C49X02xx PI6C49x15xx PI6C59xxxxx	PI6CG33xxx PI6CB33xxx PI6CBE33xx5 PI6CG330440 PI6CB332001A	PT7C4337 PT7C4302 PT7C4363B

PCIe PACKET SWITCH/BRIDGES/UART				
PCIe Switch	PCI to PCI Bridge	PCIe to PCI Bridge	PCIe to USB Bridge	PCIe / PCI / 8-bit to UART Bridge
PI7C9X2Gxxx PI7C9X3Gxxx (3-16 ports/ 3-32 Lanes)	PI7C9X8150	PI7C9X11x	PI7C9X44x	PI7C9X795x

HDMI, DisplayPort AND MIPI								I ² C / SPI				
ReDriver/Retimer (Active Switch/Mux)				(Passive) Switch/Mux				I ² C Level Translator/Buffer	I ² C Mux/Switch	I ² C IO Expander	Quad Port Controller	I ² C/SPI to UART Bridge
HDMI 2.0 (6G)	HDMI 2.1 (12G)	DP1.4 (8.1G)	DP 2.0 / 2.1	MIPI	DP1.4 / HDMI2.0	DP2.1 / HDMI2.1	MIPI					
PI3HDX1204D PI3HDX1204C PI3HDX231 (3:1)	PI3HDX12211 PI3HDX12211A PI3HDX12221 (2:1) PI3HDX12212 (1:2)	PI3DPX1203B PI3DPX1203C PI3DPX8100 (2:1)	PI2DPX1263 (10G/12C) PI2DPX2023 (20G/20G/12C) PI2DPX2063 (20G/12C) PI3DPX8121 (13.5G/2:1) PI3DPX8112 (13.5G/1:2) PI3DPX20021 (20G/2:1) PI3DPX20012 (20G/1:2)	PI2MEQX2505 PI2MEQX2503	PI3WVR13612 (8.1G)	PI3WVR14412 (20G)	PI3WVR2646 PI3WVR648 PI3WVR626 PI3WVR628 PI3WVR646	PI6ULS5V9617C PI6ULS5V9306 PI6ULS5V9509	PI4MSD5V9540B /43/46A/47/48A	PI4IOE5V6408 PI4IOE5V6416A PI4IOE5V6524 PI4IOE5V9535/38	PI7C1401	PI7C9X76x PI7C9X117x

PCIe, SAS AND SATA,CXL											
ReDriver/Retimer (Active Switch/Mux)						(Passive) Switch/Mux					
PCIe 5.0	PCIe 4.0	PCIe 3.0	PCIe 2.0	SATA 3.0 / PCIe 3.0	SATA 3.0 / SAS-2	SAS-3 / 10GE	SAS-4 / CXL 2.0	PCIe 2.0 / 3.0 Mux	PCIe 4.0 / 5.0 Mux	SATA 3.0 / SAS-2	SAS3 / 10GE
PI3EQX32908 PI3EQX32904	PI2EQX16924 PI3EQX16908GL PI3EQX16812 PI3EQX16821 PI3EQX16904GL	PI3EQX8908A2 PI3EQX8904	PI3EQX5801	PI3EQX12902E PI3EQX12904E	PI3EQX6801A	PI3EQX1204-C	PI3EQX32908 PI3EQX32904	PI3DBS12212A PI3PCIE3212 PI3PCIE3242A PI3PCIE3415A PI3PCIE3442A	PI3DBS16212 PI3DBS16213 PI3DBS16222 PI3DBS16412 PI3DBS16413 PI3DBS16415 PI2DBS32212 PI2DBS32412	PI3PCIE3212	PI3DBS16413 PI3DBS16412 PI3DBS16215 PI3DBS16213 PI3DBS16212 PI2DBS16212A

USB												
ReDriver/Retimer (Active Switch/Mux)						(Passive) Switch/Mux			USB Port Controller			
USB 3.2 ReDriver	USB 3.2 Mux / DeMux ReDriver	USB Type-C DP1.4 / 2.1 ALT 6:4 Crossbar ReDriver	USB Type-C DP1.4 / 2.1 ALT ReDriver	USB4 / Thunderbolt 4 DP2.0 (UHBR20) ReDriver	USB Type-C DP1.4 ALT ReTimer	USB 3.2 Switch	USB 2.0 Switch	USB Type-C DP-ALT 6:4 Crossbar Switch	Charging Port Controller with USB2 Switch and Power Switch	USB Type-C DFP Controllers with Power Switch	USB Type-C DRP Controllers with Mux	USB-C PD 3.1 SPR
PI3EQX7741A (5G) PI3EQX1002E2 (10G) PI3EQX1004E2 (10G) PI3EQX2024 (10G)	PI2EQX638 (5G) PI3EQX10612 (10G)	PI3DPX1205A1 (10G) PI3DPX1225 (13.5G)	PI3DPX1207C (10G) PI2DPX1066 (10G)	PI2DPX2020 (20G)	PI2DPT821 (8.1G) PI2DPT1021 (10G)	PI3USB3102 (5G) PI3USB32212 (10G) PI3USB302-A (5G) PI3DBS16212	PI3USB3000 PI3USB102E PI3USB4000A/D	PI3USB30532 (5G) PI3USB31532 (10G)	PI5USB2546 PI5USB2546A	AP25810L	PI5USB30213A(5G) PI5USB31213A (10G)	AP43776 (2-PORT I2C)

Power Management			
DC-DC	LDO	HDMI Load Switch	USB Power Switch
AP61102 (5.5V/1A + PG) AP61202 (5.5V/2A + PG) AP61302 (5.5V/3A + PG) AP62200 (18V/2A) AP62300 (18V/3A) AP62400 (18V/4A) AP62500 (18V/5A +PG) AP62600 (18V/6A + PG) AP62800 (18V/8A + PG)	AP7179D (3A Low noise) AP7361EA/E AP7368D (0.5/1.0A) AP7353D	AP2231	AP22615/AP22815 (4.2A OCP) AP22653 (Adj OCP 2.6A) AP22654/5 (Adj OCP 3.5A) AP22816/7/8 (1-2A OCP) AP25810L (Type-C source Ctrl)

Logic and Voltage Translators (VLT / ULS)	
Logic	VLT / ULS
74LVC1Gxx 74LVC2Gxx 74AUP1Gxx 74LVC24x 74LVCxxx	LSF0204 LXS0102 LXS0104 74LVCIT, 74LVC2T, 74AUPIT 74AVCIT

(Passive) Switch/Mux			
Analog Switch	DDR3/DDR4 Switch	LAN Switch	LVDS
PI5A23157 PI3A27518 PSMUX136 PSMUX154	PI2SSD3212 PI3SSD1914	PI3L2500 PI3L500-A PI3L301D PI3L110 PI5L200	PI90LV01A PI90LV02A PI90LVT386

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