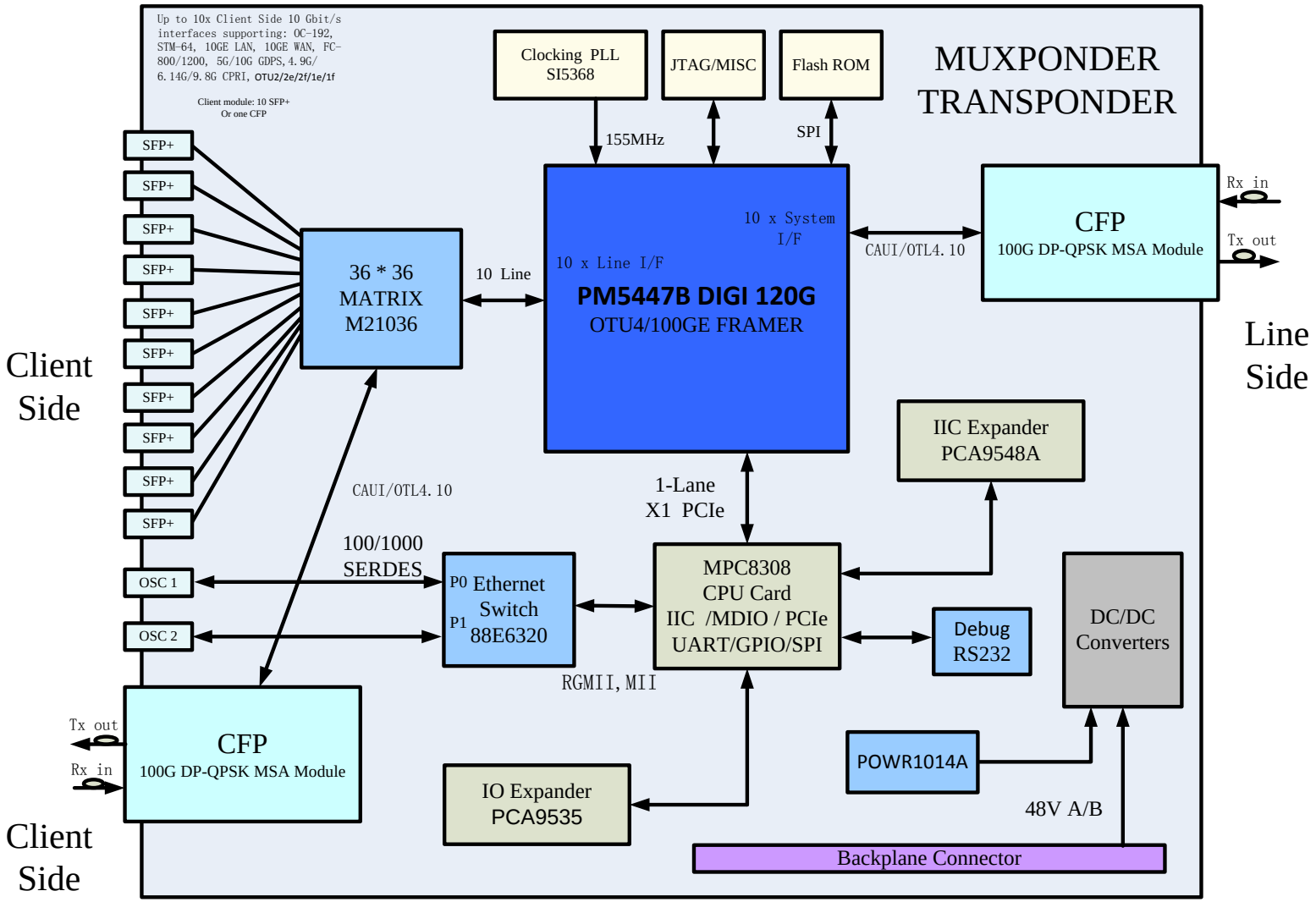
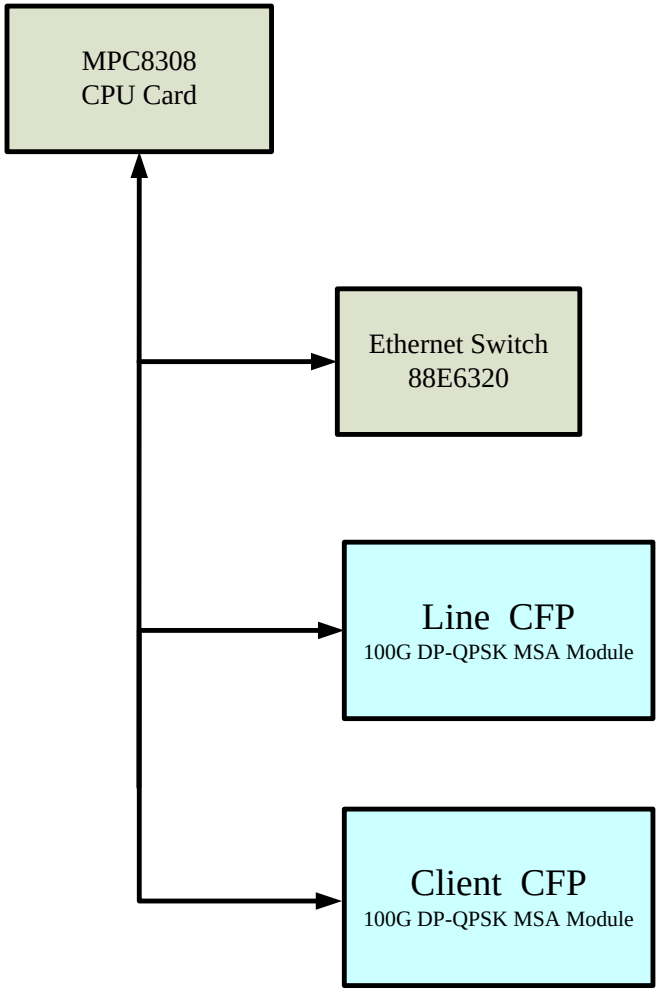
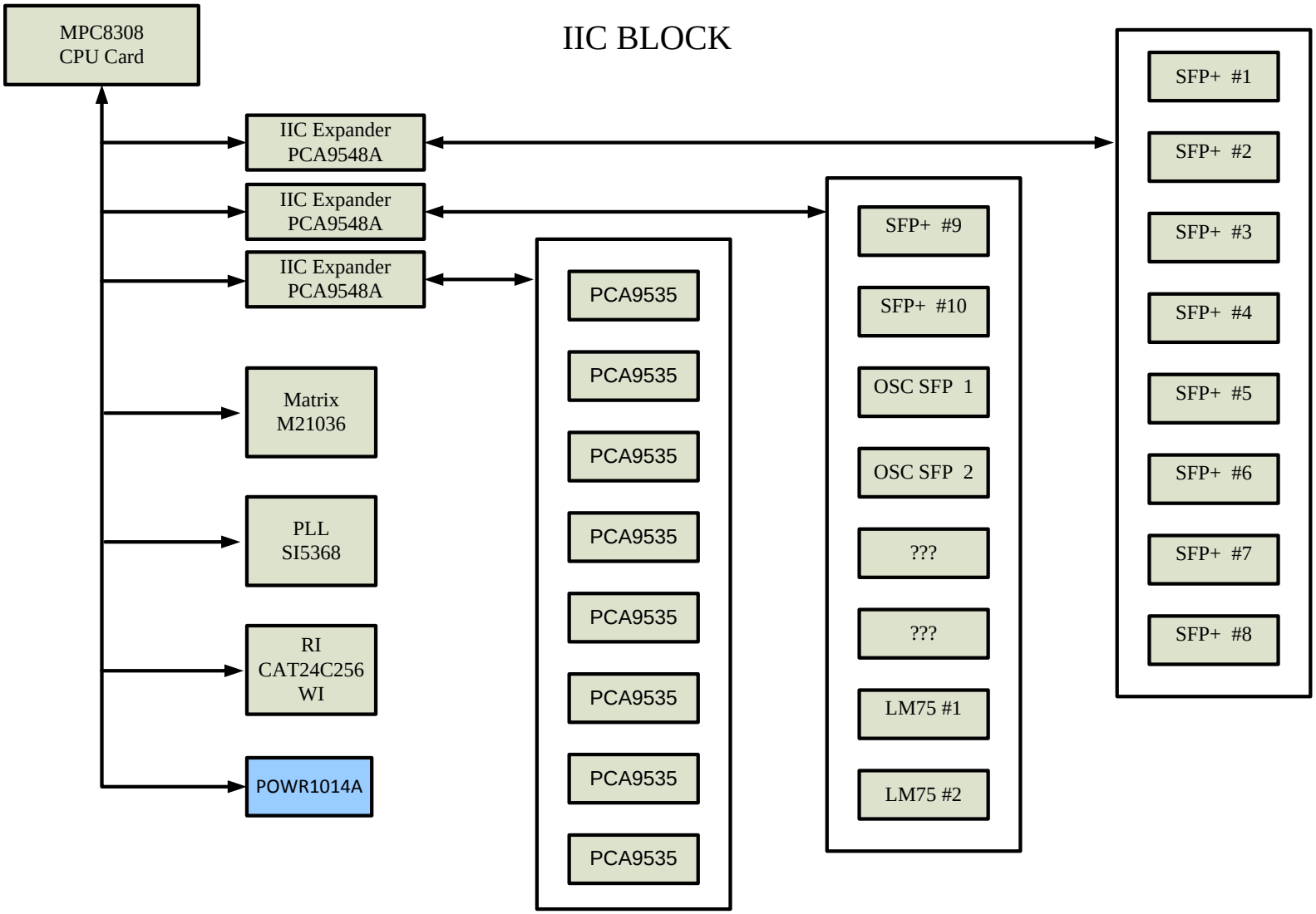
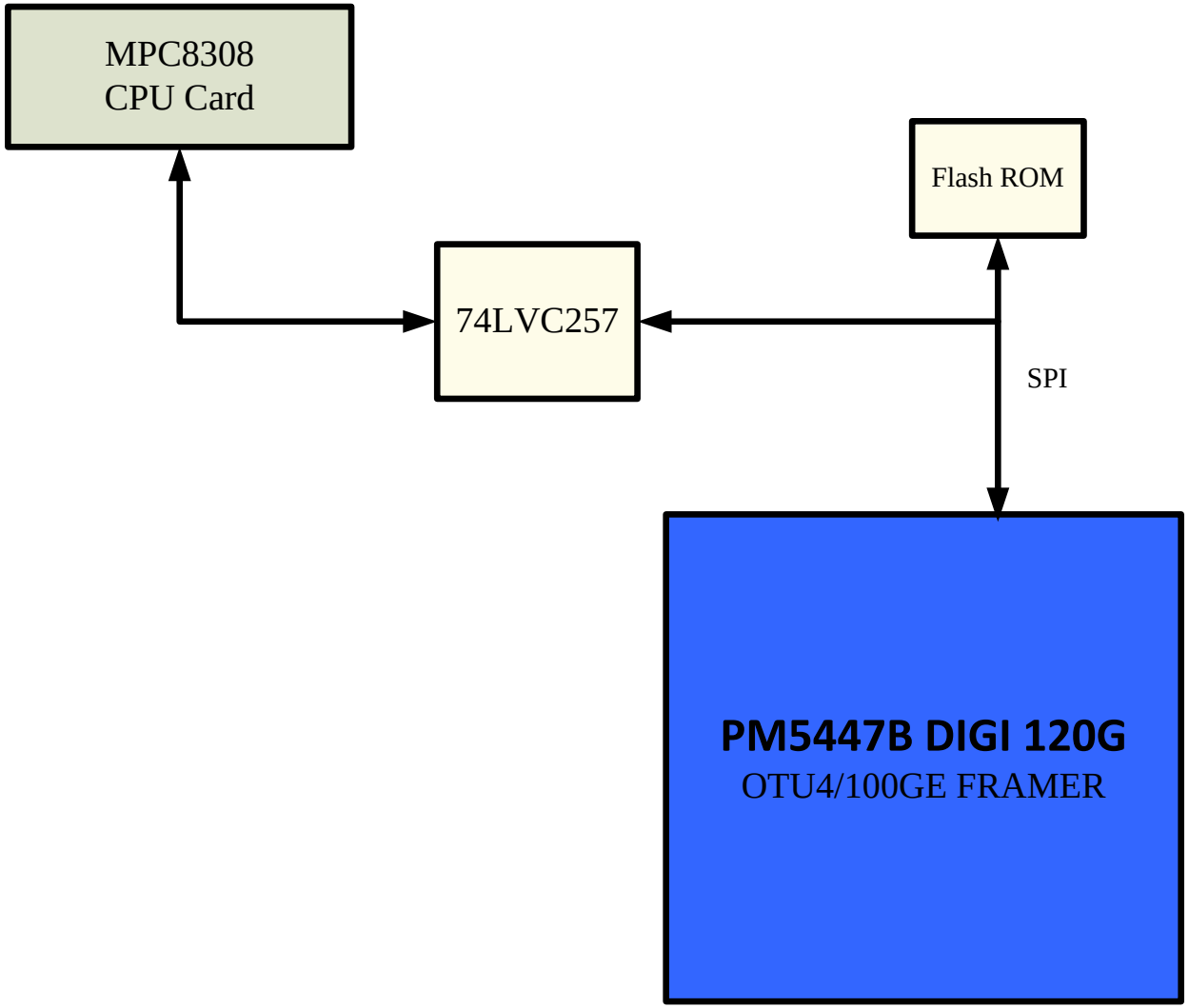

Up to 10x Client Side 10 Gbit/s interfaces supporting: OC-192, STM-64, 10GE LAN, 10GE WAN, FC-800/1200, 5G/10G GDPS, 4.9G/6.14G/9.8G CPRI, OTU2/2e/2f/1e/1f
Client module: 10 SFP+ Or one CFP
Clocking PLL SI5368
JTAG/MISC
Flash ROM
MUXPONDER TRANSPONDER
155MHz
SPI
SFP+
SFP+
SFP+
SFP+
SFP+
SFP+
SFP+
SFP+
SFP+
SFP+
36 * 36 MATRIX M21036
10 Line
10 x Line I/F
10 x System I/F
PM5447B DIGI 120G
OTU4/100GE FRAMER
CAUI/OTL4.10
CFP
100G DP-QPSK MSA Module
Rx in
Tx out
Line Side
Client Side
CAUI/OTL4.10
1-Lane X1 PCIe
IIC Expander PCA9548A
100/1000 SERDES
OSC 1
OSC 2
P0 Ethernet Switch P1 88E6320
MPC8308 CPU Card IIC /MDIO / PCIe UART/GPIO/SPI
Debug RS232
DC/DC Converters
RGMII, MII
Tx out
Rx in
CFP
100G DP-QPSK MSA Module
IO Expander PCA9535
POWR1014A
48V A/B
Client Side
Backplane Connector

MDIO BLOCK

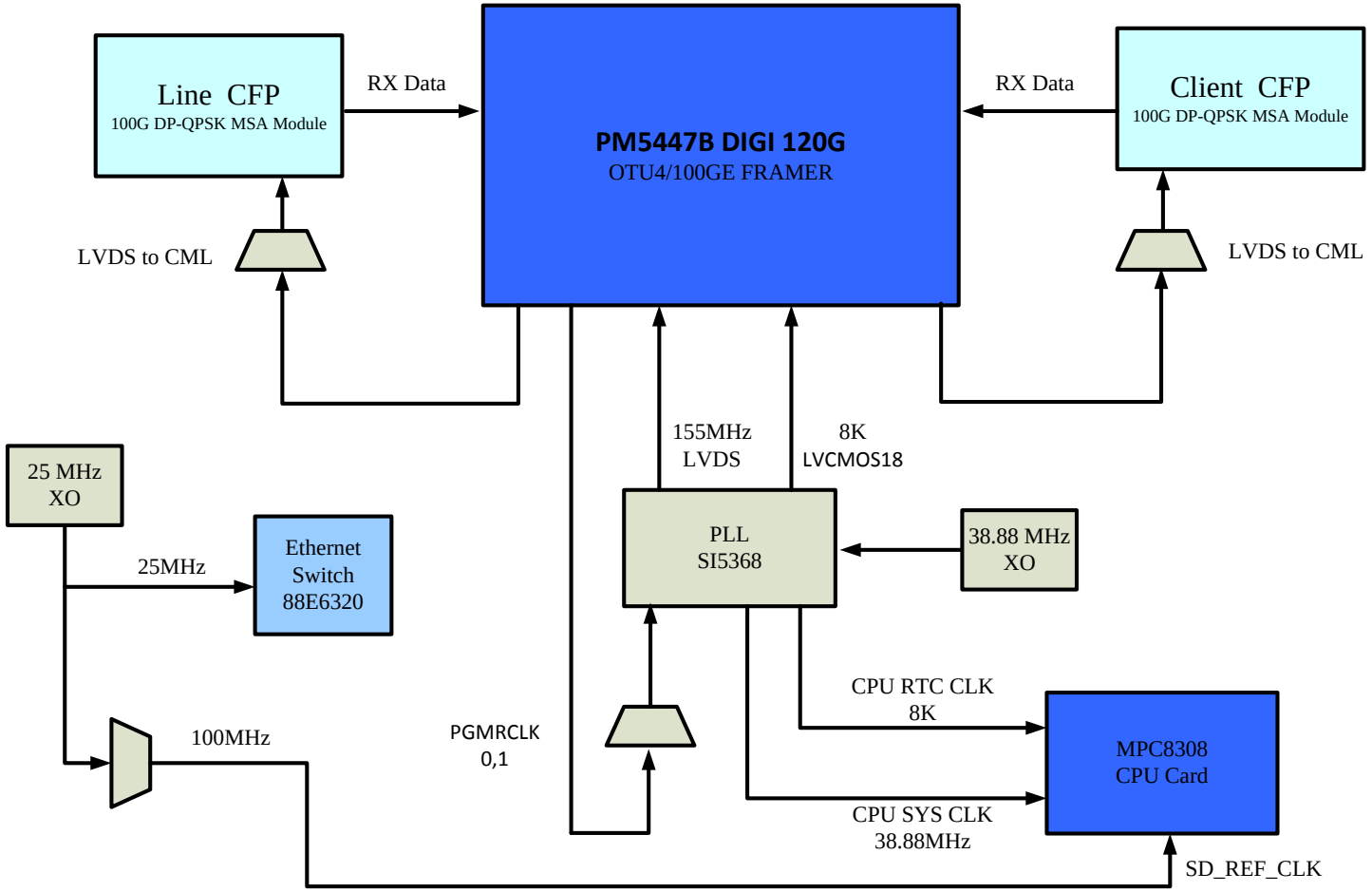

MPC8308
CPU Card
Ethernet Switch
88E6320
Line CFP
100G DP-QPSK MSA Module
Client CFP
100G DP-QPSK MSA Module

IIC BLOCK

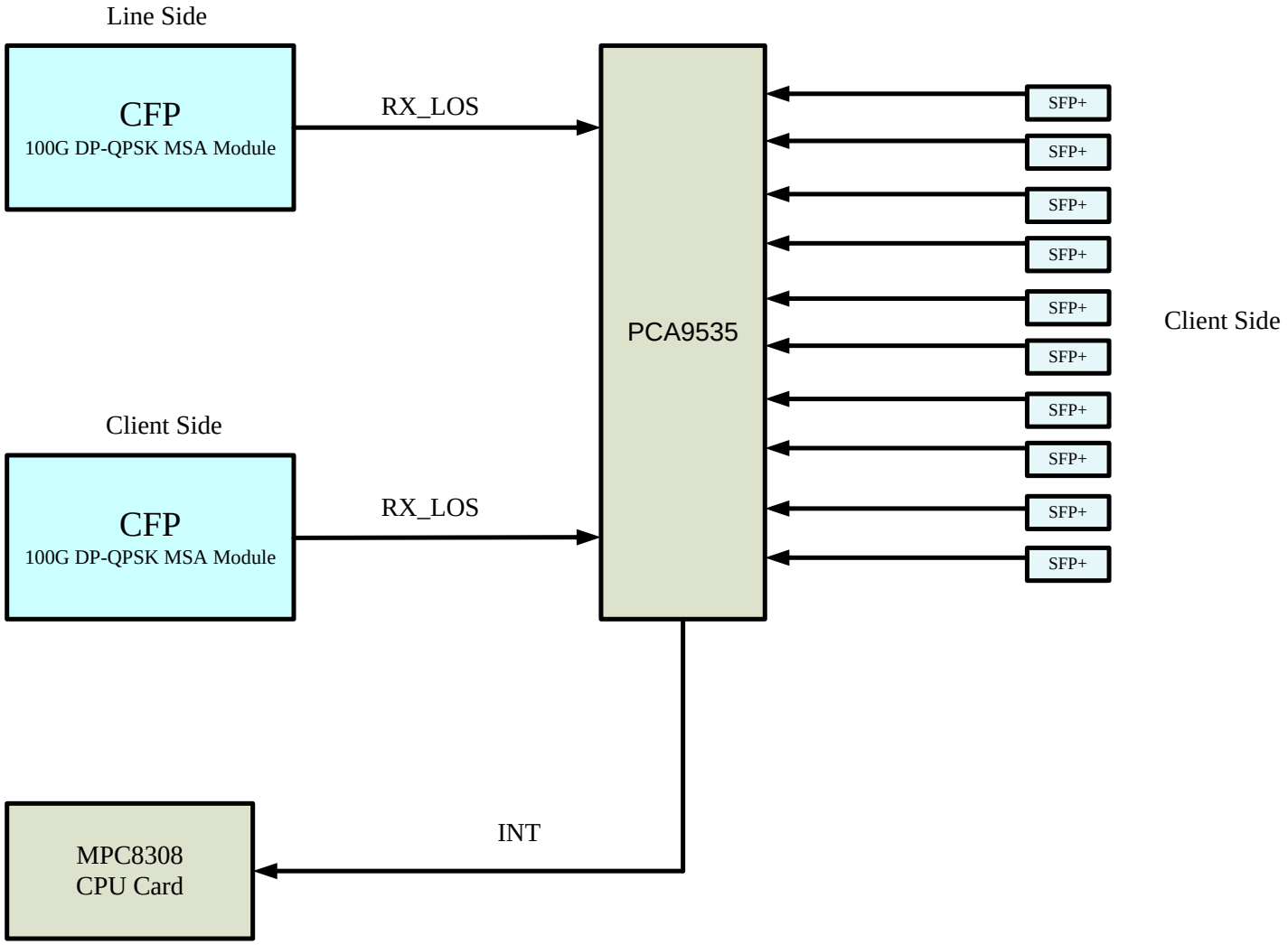

MPC8308
CPU Card
IIC Expander
PCA9548A
IIC Expander
PCA9548A
IIC Expander
PCA9548A
Matrix
M21036
PLL
SI5368
RI
CAT24C256
WI
POWR1014A
PCA9535
PCA9535
PCA9535
PCA9535
PCA9535
PCA9535
PCA9535
PCA9535
SFP+ #9
SFP+ #10
OSC SFP 1
OSC SFP 2
???
???
LM75 #1
LM75 #2
SFP+ #1
SFP+ #2
SFP+ #3
SFP+ #4
SFP+ #5
SFP+ #6
SFP+ #7
SFP+ #8


MPC8308
CPU Card
Flash ROM
74LVC257
SPI
PM5447B DIGI 120G
OTU4/100GE FRAMER

CLOCK BLOCK


Line CFP
100G DP-QPSK MSA Module
RX Data
PM5447B DIGI 120G
OTU4/100GE FRAMER
RX Data
Client CFP
100G DP-QPSK MSA Module
LVDS to CML
LVDS to CML
155MHz
LVDS
8K
LVCMOS18
25 MHz
XO
25MHz
Ethernet
Switch
88E6320
PLL
SI5368
38.88 MHz
XO
CPU RTC CLK
8K
100MHz
PGMRCLK
0,1
MPC8308
CPU Card
CPU SYS CLK
38.88MHz
SD_REF_CLK

INT BLOCK


Line Side
CFP
100G DP-QPSK MSA Module
RX_LOS
PCA9535
SFP+
SFP+
SFP+
SFP+
SFP+
SFP+
SFP+
SFP+
SFP+
SFP+
Client Side
Client Side
CFP
100G DP-QPSK MSA Module
RX_LOS
INT
MPC8308
CPU Card