WTCFQ00000C1CN1 CFP to QSFP28 Adapter

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1. Product Overview

I/O Expansions
Physical Characteristics
Block Diagram
CAUI-10 Interface (CFP port)
CAUI-4 Interface (QSFP28 port)

Features

- 100 Gigabit CFP-to-QSFP28 adaptor module.
- CFP CAUI-10: 10 lanes at 10.3125 Gb/s; QSFP28 CAUI-4: 4 lanes at 25.78 Gb/s.
- Hot-pluggable; MDIO and I2C support.
- Maximum power consumption: 5 W at 3.3 V.
- Operating case temperature: 0 to 70 °C.

Applications

2. Ordering Information

Manufacturer Part Number	WTCFQ00000C1CN1
Product Name	CFP to QSFP28 Adaptor Module
Product Type	Adaptor Module
Power consumption	Max: 5W (3.3V voltage，max current 1.5A)
Features	CAUI -4 Electrical Interface:4 Lanes @25.78Gbit/s for CFP2 port CAUI -10 Electrical Interface:10 Lanes @10Gbit/s for CFP port CAUI -4 Electrical Interface:4 Lanes @25.78Gbit/s for QSFP28 port Hot Pluggable MDIO, I2C Support Compliant to CFP MSA Case operating temperature: 0 to 70 °C The CFP to QSFP28 Adaptor Module converts a 100 Gigabit CFP port into a 100 Gigabit QSFP28 port. With the Adaptor Module, customers have the flexibility to use the 100 Gigabit CFP interface port of a switch with CFP modules or QSFP28 modules. For 100G Ethernet, reference clock can switch 161.133mhz or 644.531mhz; For OUT 4, reference clock can switch 174.703mhz or 698.812mhz;

3. Optical Parameters

CAUI Receiver Parameters	Symbol	Min.	Typ.	Max.	Unit	Note
Signal Rate Per Lane			10.3125		Gb/s	

CAUI Receiver Parameters	Symbol	Min.	Typ.	Max.	Unit	Note
Differential data output swing per lane	Vout,pp	CAUI-10 as defined by IEEE P802.3bm	CAUI-10 as defined by IEEE P802.3bm	CAUI-10 as defined by IEEE P802.3bm	mV	
Data output rise time	tr	CAUI-10 as defined by IEEE P802.3bm	CAUI-10 as defined by IEEE P802.3bm	CAUI-10 as defined by IEEE P802.3bm	ps	
Data output fall time	tf	CAUI-10 as defined by IEEE P802.3bm	CAUI-10 as defined by IEEE P802.3bm	CAUI-10 as defined by IEEE P802.3bm	ps	
CAUI Transmitter Parameters	Symbol	Min.	Typ.	Max.	Unit	Note
Signal Rate Per Lane			10.3125		Gb/s	
Frequency offset		-100		100	ppm	100G Ethernet
Frequency offset		-20		20	ppm	OTU4
Input differential impedance	Rin	CAUI-10 as defined by IEEE P802.3bm	CAUI-10 as defined by IEEE P802.3bm	CAUI-10 as defined by IEEE P802.3bm	Ω	
Differential data input swing per lane	Vin, pp	CAUI-10 as defined by IEEE P802.3bm	CAUI-10 as defined by IEEE P802.3bm	CAUI-10 as defined by IEEE P802.3bm	mV	
Data input rise time tolerance	tr	CAUI-10 as defined by IEEE P802.3bm	CAUI-10 as defined by IEEE P802.3bm	CAUI-10 as defined by IEEE P802.3bm	ps	
Data input fall time tolerance	tf	CAUI-10 as defined by IEEE P802.3bm	CAUI-10 as defined by IEEE P802.3bm	CAUI-10 as defined by IEEE P802.3bm	ps	

4. Optical Parameters

CAUI Receiver Parameters	Symbol	Min.	Typ.	Max.	Unit	Note
Signal Rate Per Lane			25.78		Gb/s	
Differential data output swing per lane	Vout,pp	CAUI-4 as defined by IEEE P802.3bm	CAUI-4 as defined by IEEE P802.3bm	CAUI-4 as defined by IEEE P802.3bm	mV	
Data output rise time	tr	CAUI-4 as defined by IEEE P802.3bm	CAUI-4 as defined by IEEE P802.3bm	CAUI-4 as defined by IEEE P802.3bm	ps	
Data output fall time	tf	CAUI-4 as defined by IEEE P802.3bm	CAUI-4 as defined by IEEE P802.3bm	CAUI-4 as defined by IEEE P802.3bm	ps	
CAUI Transmitter Parameters	Symbol	Min.	Typ.	Max.	Unit	Note
Signal Rate Per Lane			25.78		Gb/s	
Input differential impedance	Rin	CAUI-4 as defined by IEEE P802.3bm	CAUI-4 as defined by IEEE P802.3bm	CAUI-4 as defined by IEEE P802.3bm	Ω	
Differential data input swing per lane	Vin,pp	CAUI-4 as defined by IEEE P802.3bm	CAUI-4 as defined by IEEE P802.3bm	CAUI-4 as defined by IEEE P802.3bm	mV	
Data input rise time tolerance	tr	CAUI-4 as defined by IEEE P802.3bm	CAUI-4 as defined by IEEE P802.3bm	CAUI-4 as defined by IEEE P802.3bm	ps	
Data input fall time tolerance	tf	CAUI-4 as defined by IEEE P802.3bm	CAUI-4 as defined by IEEE P802.3bm	CAUI-4 as defined by IEEE P802.3bm	ps	

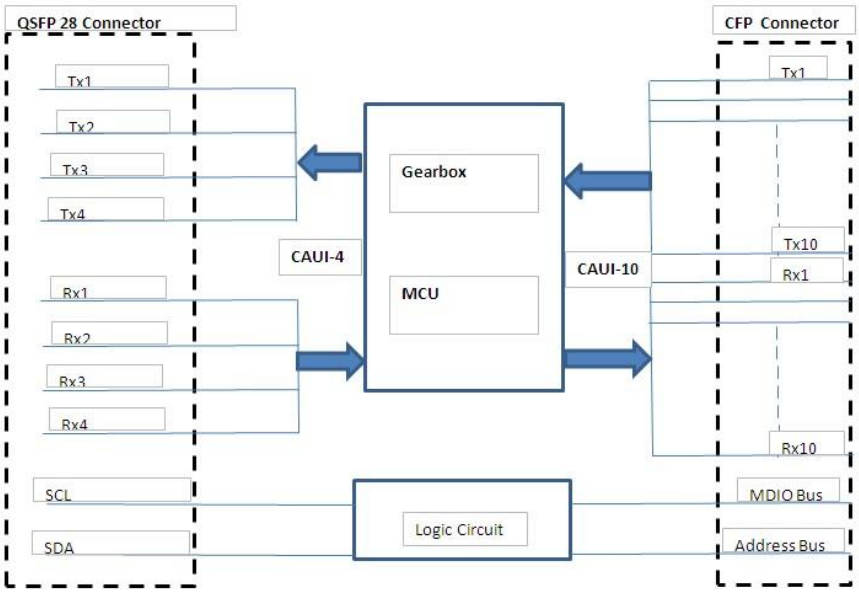
5. Additional Specifications

CFP2 port	MDIO
QSFP28 port	I2C

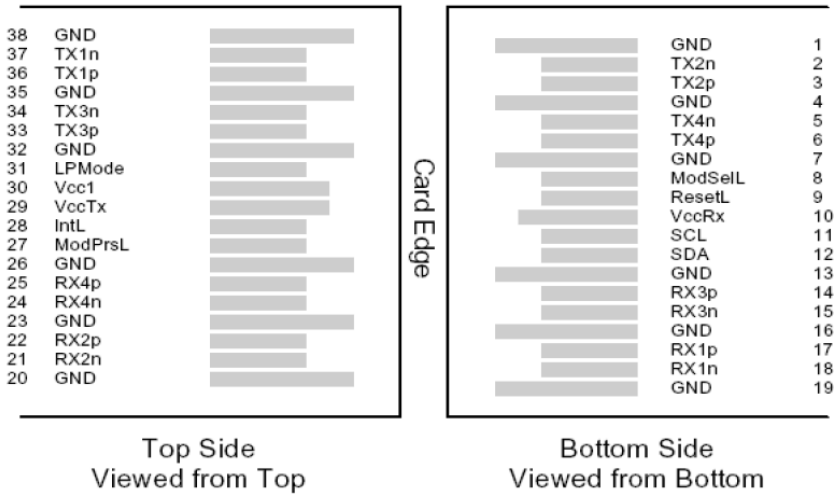
6. Additional Specifications

Dimensions	13.6mmHeight x 82mmWidth x 144.75mmDepth	

7. Technical Figure 1



8. Technical Figure 2



9. Revision History

Version	Date	Description	Prepared by
V6	2025	Unified WincoTek datasheet format	WincoTek
V6.1	2026-10-23	Engineering and format review	WincoTek