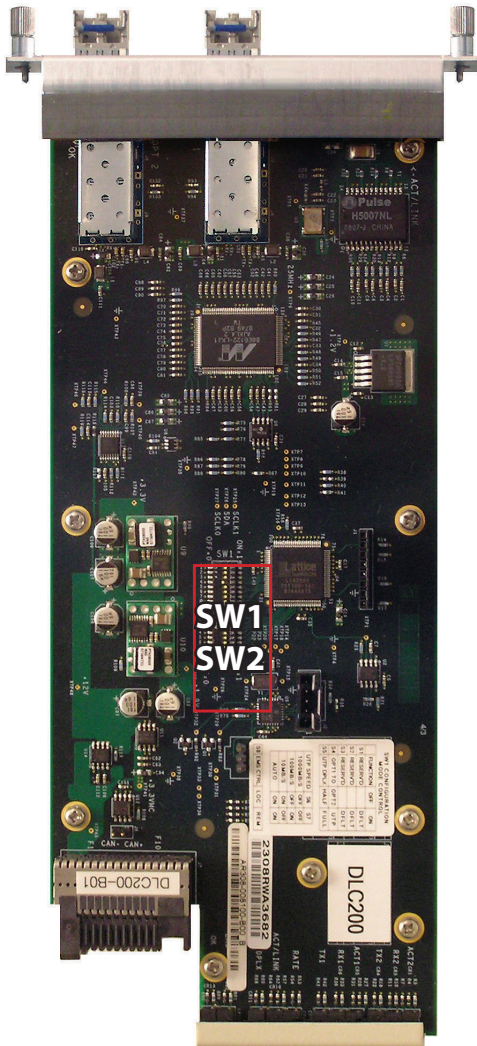# DigiLink DLC200 - 10/100/1000 Mb/s Ethernet Optical Transceiver/Repeater

Artel ships the DLC200 configured as follows:

- Electrical-to-optical mode
- UTP (RJ45) is enabled and set for auto-negotiate
- Optical port 1 is enabled and set for auto-negotiate
- Optical port 2 is disabled
- EMS override enabled (DigiLink Manager can change the DLC200 configuration)

▣ DIP SWITCH CONFIGURATIONS

SW1 CONFIGURATION

SW1	Function	Off	On
S1	*Reserved*	-	*Must be On*
S2	*Reserved*	-	*Must be On*
S3	*Reserved*	-	*Must be On*
S4	*OpMode*	O-to-O	*E-to-O*
S5	*UTP Duplex*	Half	*Full*

S6	S7	UTP (RJ45) SPEED
On	*On*	*Auto Negotiate*
On	Off	10 Mb/s
Off	On	100 Mb/s
Off	Off	1000 Mb/s

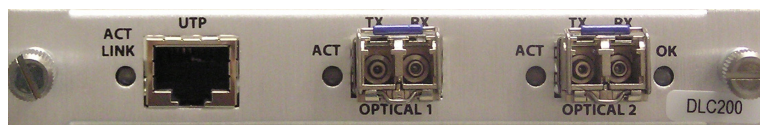|	Function	Off	On
S8	EMS Override	Local Control	*Remote Control*

Factory Default: All On

Configuration Switch Functions

SW1	Controls the operating mode (O-to-E or O-to-O), UTP (RJ45) port speed, and enables the EMS override function
SW2	Not used
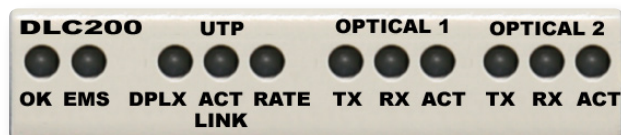
Install SFPs

Install Optical 1 SFP for electrical-to-optical mode

Install both SFPs for optical-to-optical mode

■ DLC200 FRONT PANEL LEDS

LED	Function	Color	Description
OK	DLC200 Module Status	OFF	If power is applied to the system, an internal fault with the DLC200 may exist
		● Green	Normal operation
		● Yellow	Minor alarm or power-on test
		● Red	Major alarm or major and minor alarm
EMS	DigiLink Manager System Status	OFF	The DLC200 module is in local mode and its configuration is controlled by the onboard configuration switches
		● Green	The DLC200 module is in remote mode and the configuration has been set by DigiLink Manager. When in remote mode, the actual configuration of the module will likely not match the settings of the configuration switches and changing the configuration switches will have no effect on the module operation
UTP DPLX	UTP Connection Type	● Green	Full-duplex
		● Yellow	Half-duplex or power-on test
UTP ACT/LINK	UTP Link Status	● Green	Link present
		✳ Green	Link activity
UTP Rate	UTP Link Rate	OFF	10 Mb/s or module configured for optical to optical mode
		● Yellow	100 Mb/s or power-on test
		● Green	1000 Mb/s
Optical TX (per port)	Optical Transmission Status	OFF	No SFP installed or port disabled
		● Green	Normal operation (input signal present)
		✳ Red	SFP TX fault (laser fail)
		✳ Red	Flashing with RX red flashing. No SFP installed and the port is enabled
Optical RX (per port)	Optical Receive Status	OFF	No SFP installed or port disabled
		● Green	Normal operation (input signal present)
		✳ Yellow	RX optical high power
		✳ Red	Low optical receive power or optical SFP RX fault
		✳ Red	Flashing with TX red flashing. No SFP installed and the port is enabled
Optical ACT (per port)	Optical Link Status	● Green	Link present
		✳ Green	Link activity

✳ Flashing green | ✳ Flashing yellow | ✳ Flashing red