



InfinityLink ILC450 - 10G HD/SD-SDI, ASI IP Gateway & GigE Data Transport

Artel ships the ILC450 configured as follows:

Module Settings

- 1 Operational Mode: Receive Transmit
- 2 Video: Enable Disable
- 3 1G:
- 4 Jumbo Frames: Enable Disable
- 5 IP Address:
 Netmask:
 Gateway:
- 6 Video Alarm: Enable Disable
- 7 10G SFP+ Alarm: Enable Disable
- 8 1G SFP Alarm: Enable Disable

Video Signal Types

- 1 HD-SDI: Enable Disable
- 2 SD-SDI: Enable Disable
- 3 ASI: Enable Disable

Receiver Settings

- 1 Source IP Addr:
- 2 Multicast Group:
- 3 Port:
- 4 Recovery Buffer: Sm Lg

Transmitter Settings

- 1 Video Source:
- 2 Destination IP Addr:
- 3 Port:
- 4 Time To Live:
- 5 HD-SDI FEC Settings
 FEC Mode: Col RowCol None
 Column: Row:
- SD-SDI FEC Settings
 FEC Mode: Col RowCol None
 Column: Row:
- ASI FEC Settings
 FEC Mode: Col RowCol None
 Column: Row:

1	Operational Mode	Sets Operational Mode relative to the 10G Video Circuit.
2	Video	Enable/disable video transport over the 10G link.
3	1G	Ethernet Port for 1G traffic. Options are disabled, SFP, or backplane where available.
4	Jumbo Frames	Enables support for IP Frames that are greater than 1518 bytes and up to 9216 Bytes in size.
5	IP Address	IP address Module uses as the source address when Transmitting Video over the 10G interface (see ILC450 manual for further details).
6	Video Alarm	Enable Alarm on loss of active video.
7	10G SFP+ Alarm	Enable Alarm on 10G SFP+ not present.
8	1G SFP Alarm	Enable Alarm on 1G SFP not present.

1	HD-SDI	Discretely enables output of HD-SDI.
2	SD-SDI	Discretely enables output of SD-SDI.
3	ASI	Discretely enables output of ASI.

1	Source IP Addr	IP address that Module uses in Unicast mode to receive from.
2	Multicast Group	Multicast address that Module uses in Multicast mode to receive from.
3	Port	Port number setting must match the Port number setting on the TX module that you wish to receive from.
4	Recovery Buffer	Specifies small or large recovery buffer size. Buffer size determines latency. This is further determined by the Video format applied (see ILC450 manual for further details).

1	Video Source	Sets input port for video to "In BNC" or available backplane inputs.
2	Destination IP Addr	Sets destination IP address to either the Multicast Group or the IP Address of the Transmitter
3	Port	Port number setting must match the Port number setting on the RX module that you wish to transmit to.
4	Time to Live	Sets number of route hops that a packet may make before it is dropped.
5	FEC Mode	Specifies Forward Error Correction (FEC) settings • Specify Column or Row/Column or No FEC • Specify matrix (row and column) size (maximum Row x Column: 3000(HD), 1500(SD), 100(ASI). (See ILC450 manual for further details.)

* Note: Confirm your network settings before connecting to your network.

ILC450 Front Panel:

- Mon Mini BNC - In TX mode, this mini BNC outputs a copy of the ASI, SD-SDI, HD-SDI signal received on the BNC in connector on the Rear Panel. In RX mode, this BNC outputs a copy of the ASI, SD-SDI, HD-SDI signal sent out the BNC out on the Rear Panel.
- RST Pushbutton - Pressing, holding in for more than 4 seconds, and then releasing this button will reset the module interrupting data transmission through the module. Reset is similar to power-up sequence of module. No user configuration data is changed during this reset.



ILC450 FRONT PANEL LEDS

ILC450 REAR PANEL LEDS

LED	Function	Color	Description
OK	Module Status	OFF	No power.
		● Green	No alarms.
		● Yellow	Minor alarm.
		● Red	Major alarm.
TX (Mode)	Transmitter Mode Indicator	OFF	Receiver mode is selected.
		● Green	TX Mode: Valid video format as configured in IL Manager.
		● Yellow	TX Mode: No video format detected as configured in IL Manager.
		* Yellow	TX Mode: In Unicast mode and no arp reply.
		● Red	TX Mode: No link.
RX (Mode)	Receiver Mode Indicator	OFF	Transmitter mode is selected.
		● Green	RX Mode: Valid video detected on 10G interface with correct IP configuration.
		● Yellow	RX Mode: No video input at receiver.
		* Yellow	Packet errors detected.
		● Red	RX Mode: No link.
1G	1G SFP Link	OFF	1G not enabled.
		● Green	Link established.
		* Green	Link established with activity.
		● Yellow	RX optical power high.
		* Yellow	1G Ethernet enabled, errors detected.
		● Red	No link.
		* Red	No SFP installed, low light, or loss of signal.
ASI	ASI Signal Mode Indicator	OFF	ASI disabled or other rate detected.
		● Green	ASI enabled and ASI detected.
		● Yellow	ASI enabled but no signal detected.
		● Red	Input fault or ASI not enabled but ASI detected.
SD	SD Signal Mode Indicator	OFF	SD disabled or other rate detected.
		● Green	SD enabled and SD detected.
		● Yellow	SD enabled but no signal detected.
		● Red	Input fault or SD not enabled but SD detected.
HD	HD Signal Mode Indicator	OFF	HD disabled or other rate detected.
		● Green	HD enabled and HD detected.
		● Yellow	HD enabled but no signal detected.
		● Red	Input fault or HD not enabled but HD detected.

* Flashing green | * Flashing yellow | * Flashing red

Note: Install an Artel SFP+ in socket A only. Install an SFP in Socket B only.

LED	Function	Color	Description
OK	Module Status	OFF	No power.
		● Green	Normal operation.
		● Yellow	Minor alarm.
		● Red	Major alarm.
TX (Mode)	Transmitter Mode Indicator	OFF	Receiver mode is selected.
		● Green	TX Mode: Valid video format as configured in IL Manager.
		● Yellow	TX Mode: No video format detected as configured in IL Manager.
		* Yellow	TX Mode: In Unicast mode and no arp reply.
		● Red	TX Mode: No link.
RX (Mode)	Receiver Mode Indicator	OFF	Transmitter mode is selected.
		● Green	RX Mode: Valid video detected on 10G interface with correct IP configuration.
		● Yellow	RX Mode: No video input at receiver.
		* Yellow	Packet errors detected.
		● Red	RX Mode: No link.
TX (10G)	10G Transmitter Mode	OFF	Not valid during normal operation.
		● Green	TX Mode: Normal operation.
		● Red	TX Fault
		* Red	No SFP+ Installed
RX (10G)	10G Receiver Mode	OFF	Not valid during normal operation.
		● Green	Link established.
		* Green	Link established with activity.
		● Yellow	RX optical power high.
		● Red	No link.
TX (1G)	1G Transmitter Mode	OFF	1G not enabled.
		● Green	Normal operation.
		● Red	TX fault.
		* Red	No SFP installed.
RX (1G)	1G Receiver Mode	OFF	1G not enabled.
		● Green	Link established.
		* Green	Link established with activity.
		● Yellow	RX optical power high.
		* Yellow	1G Ethernet enabled, errors detected.
		● Red	No link .
		* Red	No SFP installed, low light, or loss of signal.

Sales



T: 978-263-5775
www.artel.com
sales@artel.com
customercare@artel.com