NUCLEUS SFP Series
Copper RJ45 SFP+ Transceivers

NUCLEUS
AV OVER IP — SIMPLIFIED

EvertzAV's NUCLEUS is an AV over IP platform developed exclusively for enterprises looking for the highest in quality and reliability while maintaining a simplified user experience.

Simple Plug and Play Technology

EvertzAV offers three different RJ45 SFP+ transceivers for use with the NUCLEUS platform: the UXP-SFP2-1G-T 1000BASE-T SFP+ module, the UXP-SFP-2G5-T 2.5GBASE-T SFP+ module, and the UXP-SFP-10G-T 10GBASE-T SFP+ module. All are low power, high performance, hot pluggable copper SFP+ transceivers. Based on your enterprise's network infrastructure, simply install the respective SFP+ modules into the SFP+ ports of the UXP AV Gateways.

IEEE 802.3 Compliant

EvertzAV's NUCLEUS series of SFP+ transceivers meet the IEEE 802.3 standards for RJ45 transceiver modules. The NUCLEUS series of SFP transceivers can be reliably deployed in accordance to the IEEE 802.3 standard for worry-free operation. To obtain more technical details regarding IEEE 802.3, please refer to the IEEE 802.3 standard available online.

Specifications

|	UXP-SFP2-1G-T	UXP-SFP-2G5-T	UXP-SFP-10G-T
Standard	1000BASE-T	2.5GBASE-T	10GBASE-T
Connector	RJ45	RJ45	RJ45
Maximum Bit Rate	1.25 Gb/sec	2.5 Gb/sec	10 Gb/sec
Supported Cable	Category 5e	Category 5e	Category 6a/Category 7
Cable Distance	100m	100m	30m
Power Supply	Single +3.3V	Single +3.3V	Single +3.3V
Operating Temperature	23˚ to 158˚ F (-5˚ to 70˚ C)	32˚ to 149˚ F (0˚ to 65˚ C)	32˚ to 158˚ F (0˚ to 70˚ C)
Storage Temperature	-40˚ to 185˚ F (-40˚ to 85˚ C)	-40˚ to 185˚ F (-40˚ to 85˚ C)	-40˚ to 185˚ F (-40˚ to 85˚ C)
Relative Humidity	5% to 95% RH (non-condensing)	5% to 90% RH (non-condensing)	5% to 95% RH (non-condensing)

Ordering Information

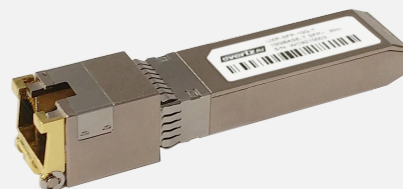|	
UXP-SFP2-1G-T	SFP+, 1000 BASE-T RJ45, 100m
UXP-SFP-2G5-T	SFP+, 2.5G BASE-T RJ45, 100m
UXP-SFP-10G-T	SFP+, 10G BASE-T RJ45, 30m

UXP-SFP2-1G-T   UXP-SFP-2G5-T   UXP-SFP-10G-T
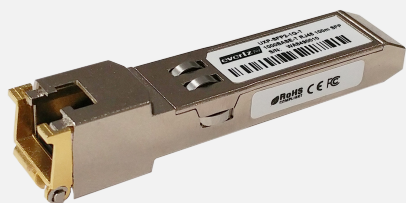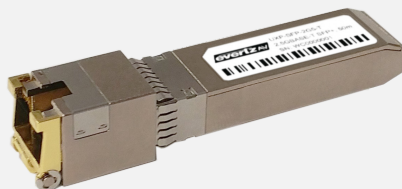
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Contents Subject to Change
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