

**HYPERION-30X-(.Y)-Z-(P) -U**

HYPERION	30X	(.Y)	Z	(P)	U
8x RJ45(10M/100M/1G) and 2x SFP(100M/1G) - 2x Combo + 2xSFP (100M/1G/2.5G)	1				
2x RJ45(10M/100M/1G) + 6x SFP(100M/1G) + 2x SFP(100M/1G/2.5G)	2				
<b>Production version:</b>					
standard		-			
version dedicated to power substations		2			
<b>Additional interfaces</b>					
baseline			1		
2x digital input, 4x relay outputs, 1-wire interface, 2xRS232 and 1xRS232/485			3		
<b>Power over Ethernet (PoE) version 301 (optional)</b>					
Version without PoE				-	
8x PoE+ PSE				S8P	
<b>Power supply</b>					
Redundant power supply 12-36V DC					66p
Redundant power supply 20-60V DC, for PoE 45-57V DC					
PoE (up to 15W) 45-57V					77p <sup>2</sup>
PoE+ (up to 30W) 52-57V					
Power supply 100-350VDC/85-240VAC					B <sup>1</sup>

**Legend**

- 1** - Selected version requires contact with manufacturer, power option without PoE function
- 2** - For the version with PoE, the maximum power available on all RJ45 ports is 240W
- 3** - Option available only on Hyperion-30x version. 2

**Example designations****HYPERION-301-1-S8P-77p**

Hyperion-300 standard version with 8xRJ45 and 2xSFP - combo and 2xSFP 2.5Gb, redundant power supply for 8x PoE+ in the range of 52-57V DC, up to 30W per port

**HYPERION-302.2-3-66p**

Hyperion-300 dedicated version for substations with 2xRJ45 and 6xSFP and 2xSFP 2.5Gb with 10-36VDC redundant power supply and with PTPv2 IEEE 1588:2008, 1x digital input, 4x relay outputs, 1-wire interface, 2xRS232, 1xRS232/485, prepared to run SYNCE

**Licenses to extend the capabilities of the Hyperion-30x switch.2**

- PTP SYNCHRONIZATION LICENSE WITH POWER PROFILE - a** license that extends in the IEEE1588 PTPv2 protocol with POWER PROFILE - IEEE C37.238-2011, IEEE C37.238-2017 and IEC61850-9-3 for precise time synchronization for use in the power industry, among other applications.
- SYNCE LICENSE - Synchronous Ethernet G.8261 - a** license to add Synchronous Ethernet G.8261 (Timing and synchronization aspects in packet networks) functionality, providing precise synchronization of internal clocks of devices using frequencies for use in power generation, among other applications.

**NOTE: Licenses only available in 30x.2 version.**

## Additional accessories

Designation	Transmission speed	Wavelength	Fiber optic type	Distance	Insert type	WDM	Connector type	Operating temperature	Comments
BTP-8524-S5TD	1.25 Gbps	850 nm	MM	550 m	SFP	---	LC	-40~85° C	
BTP-3124-L2TD	1.25 Gbps	1310 nm	MM/SM	2/20 km	SFP	---	LC	-40~85° C	
BTP-3124-L4TD	1.25 Gbps	1310 nm	SM	40 km	SFP	---	LC	-40~85° C	
BTP-314G-L2TD	1.25 Gbps - 4.25 Gbps	1310 nm	SM	20km	DDM	---	LC	-40~85° C	2.5 Gb support
BTP-514G-L2TD	1.25 Gbps - 4.25 Gbps	1310 nm	SM	40km	DDM	---	LC	-40~85° C	2.5 Gb support
BTPB-3524L-L2TD	1.25 Gbps	1310/1550 nm	SM	20km	SFP	YES	LC	-40~85° C	
BTPB-5324L-L2TD	1.25 Gbps	1550/1310 nm	SM	20km	SFP	YES	LC	-40~85° C	
BTPB-3524S-L2TD	1.25 Gbps	1310/1550 nm	SM	20km	SFP	YES	SC	-40~85° C	
BTPB-5324S-L2TD	1.25 Gbps	1550/1310 nm	SM	20km	SFP	YES	SC	-40~85° C	
BTP-8503-02TD	155 Mbps	850 nm	MM	2 km	SFP	---	LC	-40~85° C	---
BTP-3103-L2TD	155 Mbps	1310 nm	MM/SM	2/20 km	SFP	---	LC	-40~85° C	---
LT-19-TS-35-02	DIN 19" rail in an enclosure that allows rack mounting. Dimensions: 19" x 3U x 202-302mm (adjustable depth). Weight: 2.5kg. 4pcs. Vertical Hyperion-300 devices in 6-60V power supply version.								
Sensor T/H-2/5/10	Temperature and humidity measurement, cable length up to 2/5/10 meters (up to two sensors can be connected)								
MOD-EXT-6I2O3V	External module to extend digital input interfaces and digital outputs with voltage measurement inputs, operating temperature: -40~ +70°C, power supply 9-60V DC <b>(NOTE - only for HYPERION-30x-3 version)</b>								

## List of proposed power supplies for BITSTREAM devices

Designation of the power supply	Output voltage range	Nominal output power	Number of ports with PoE (15W)	Number of ports with PoE+ (30W)	Number of ports with PoE++ (60W)	Number of ports with PoE++ (90W)	Operating temperature	Comments
	DC						C-standard T-industry	
ZAS-24-20-R-T	24 V	20 W	0	0	0	0	-20°C ~ +70°C	No PoE support
ZAS-48V56-40-R-T	48 - 56 V	40 W	2	1	0	0	-20°C ~ +70°C	PoE support
ZAS-48V56-60-R-T	48 - 56 V	60 W	3	1	0	0	-20°C ~ +70°C	PoE support
ZAS-48V55-120-R-T	48 - 55 V	120 W	6	3	1	1	-20°C ~ +70°C	PoE support
ZAS-48V56-240-R-T	48 - 56 V	240 W	13	6	3	2	-20°C ~ +70°C	PoE support
ZAS-48V56-480-R-T	48 - 56 V	480 W	30	14	7	4	-20°C ~ +70°C	PoE support

Legend of designations: W - plug-in; S - standalone; R - for DIN rail.



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