

Ethernet Electrical Ports

- ✓ 4x 10/100BaseT(X)
- ✓ 10/100 Mbit/s transmission rate
- ✓ Flow control function
- ✓ MDI, MDI-X "autocrossover" function
- ✓ Support for VLAN, IEEE 802.1q
- ✓ Connection validity indication
- ✓ Connector 4 x RJ-45
- ✓ MAC table: 1000 addresses

Physical characteristics

- ✓ Housing dimensions 103x230x53 mm
- ✓ Weight up to 1 kg

Environmental requirements

- ✓ Operating temperature: +5° to +45°C

Power supply

- ✓ Supply voltage range 12 to 60V DC
- ✓ Power consumption up to 6W
- ✓ Connector type: Screw

Port E1

- ✓ ITU-T G.703 compliant, 2048kbit/s
- ✓ 120 W symmetrical pair
- ✓ Line code HDB-3
- ✓ Test loops: towards the E1 line and towards the remote device
- ✓ Ability to generate a PRBS test stream
- ✓ RJ-45 connector

Management

- ✓ SNMP
- ✓ HTTP protocol and web browser as a management application
- ✓ SMTP - sending e-mail in case of failure
- ✓ Dedicated RJ45 port for management
- ✓ Via RS232 console
- ✓ Implementation of G.826.
- ✓ Virtual console function

Labels

CERES-S-(X)

CERES	S	(X)
Optical interface type:		
Built-in		
1310 nm SM/MM - range 15/5 km	S	
1310 nm SM - range 50 km	M	
1550 nm SM - range 100 km	L	
WDM interfaces (additional field required in designation for transceiver)		
1310/1550 and 1550/1310 nm SM/MM - 20/2 km range	WS	
1310/1550 and 1550/1310nm SM - 40 km range	WM	
1310/1550 and 1550/1310 nm SM - range 60 km	WL	
1550/1570 and 1570/1550nm SM - range 100 km	WLL	
Interchangeable		
Version with SFP connectors	SFP	
Optional field (valid only if WDM interface is selected in the previous field)		
For SFP, S, M, L versions		-
1310/1550 nm for WS/WM/WL versions or 1550/1570 nm for WLL versions		1
1550/1310 nm for WS/WM/WL versions or 1570/1550 nm for WLL versions		2

NOTE - the ranges given are approximate and depend on actual fibre parameters

Example designations

CERES-L CERES multiplexer, RCK-ANY-02 rack card version, 1x E1 G.703 and 4x ETH version with 1550nm SM interface, range up to 100km, operating temperature: +5° to +45°C, supply voltage 12 to 60V DC

Additional accessories

Designation	Transmission speed	Wavelength	Fiber optic cable type	Distance	Insert type	WDM	Connector type	Operating temperature
BTP-8503-02CD	155 Mbps	850 nm	MM	2 km	SFP	---	LC	0~70°C
BTP-3103-L2CD	155 Mbps	1310 nm	MM/SM	2/20 km	SFP	---	LC	0~70°C
BTP-3103-L4CD	155 Mbps	1310 nm	SM	40 km	SFP	---	LC	0~70°C
BTP-5503-L8CD	155 Mbps	1310 nm	SM	80 km	SFP	---	LC	0~70°C
BTP-5503-12CD	155 Mbps	1310 nm	SM	120 km	SFP	---	LC	0~70°C
BTPB-3503L-L2CD	155 Mbps	1310/1550 nm	SM	20 km	SFP	YES	LC	0~70°C
BTPB-5303L-L2CD	155 Mbps	1550/1310 nm	SM	20 km	SFP	YES	LC	0~70°C
BTPB-3503S-L2CD	155 Mbps	1310/1550 nm	SM	20 km	SFP	YES	SC	0~70°C
BTPB-5303S-L2CD	155 Mbps	1550/1310 nm	SM	20 km	SFP	YES	SC	0~70°C
BTPB-3503L-L4CD	155 Mbps	1310/1550 nm	SM	40 km	SFP	YES	LC	0~70°C
BTPB-5303L-L4CD	155 Mbps	1550/1310 nm	SM	40 km	SFP	YES	LC	0~70°C
BTPB-3503S-L4CD	155 Mbps	1310/1550 nm	SM	40 km	SFP	YES	SC	0~70°C
BTPB-5303S-L4CD	155 Mbps	1550/1310 nm	SM	40 km	SFP	YES	SC	0~70°C

List of proposed power supplies for BITSTREAM devices

Designation of the power supply	Output voltage range(DC)	Nominal output power	Operating temperature C-standard T-industrial
ZAS-24-25-W-T	24 V	25 W	-30°C ~ +70°C
ZAS-48-25-W-T	48 V	25 W	-30°C ~ +70°C
ZAS-24-25-S-T	24 V	25 W	-30°C ~ +70°C
ZAS-48-25-S-T	48 V	25 W	-30°C ~ +70°C
ZAS-24-20-R-T	24 V	20 W	-20°C ~ +70°C
ZAS-48V56-40-R-T	48 - 56 V	40 W	-20°C ~ +70°C