

# Product List



*Effective from 01.01.2016*

Barnfind Technologies AS reserves the right of possible price modification without prior notification within the validity of this price list.

## BarnOne Frames

| Order Number | Description   |
|--------------|---|
| BTF1-01      | 16 SFP ports  |
| BTF1-02      | 16 SFP ports and 16 BNC   |
| BTF1-03-08   | 16 SFP ports and a 8 or 16 channel CWDM mux/de-mux built in.        |
| BTF1-03-16   | 16 SFP ports and a 8 or 16 channel CWDM mux/de-mux built in.        |
| BTF1-04      | 32 SFP ports  |
| BTF1-05-08   | 16 SFP ports and 2X 8 or 16 channel CWDM mux/de-mux built in.       |
| BTF1-05-16   | 16 SFP ports and 2X 8 or 16 channel CWDM mux/de-mux built in.       |
| BTF1-06      | 24 SFP ports, 8 BNC   |
| BTF1-07-08   | 16 SFP ports, 8 BNC and a 8 or 16 channel CWDM mux/de-mux built in. |
| BTF1-07-16   | 16 SFP ports, 8 BNC and a 8 or 16 channel CWDM mux/de-mux built in. |
| BTF1-08-08   | 24 SFP ports and a 8 or 16 channel CWDM mux/de-mux built in.        |
| BTF1-08-16   | 24 SFP ports and a 8 or 16 channel CWDM mux/de-mux built in.        |
| BTF1-10      | 16 SFP ports, 8 BNC and 8 ch. Analog audio embedding / de-embedding |

All base frames are 1RU-19". Price includes single PSU, control card and BarnStudio software for configuration and control.

All BarnOne frames from Barnfind have internal 32x32 crosspoint-switch for routing and channel swapping/duplication. Both optical and electrical outputs have reclockers to ensure perfect signal out. Both SFPs and BNCs are bi-directional.

*\*see 'Accessories' for redundant PSU, cables etc.*

## BarnMini

| Order Number | Description  |
|--------------|--|
| BarnMini-01  | BNC TX/RX, SFP port for transceiver (TX/RX), incl. PSU.      |
| BarnMini-02  | 2xSFP port for transceiver (TX/RX), incl. PSU.               |
| BarnMini-03  | HDMI-SFP, HDMI RX, SFP port for transmitter (TX), incl. PSU. |
| BarnMini-04  | SFP-HDMI, HDMI TX, SFP port for receiver (RX), incl. PSU.    |
| BarnMini-05  | 12 ports GPI/O through ethernet / fiber, incl. PSU.          |
| BTF-Mini-16  | 2.5RU frame for housing of up to 16 BarnMinis, incl. PSU.    |

Any SFPs in our product list are compatible with the BarnMini series.

*\*see 'Accessories' for redundancy PSU, cables etc.*

## Housing For LGX Modules

| Order Number    | Description  |
|-----------------|--|
| BT-HOUS-LGX-1RU | Barnfind standard empty chassis for up to 4 LGX Boxes in 1RU |

## CWDM Mux/Demux

CWDM modules in LGX box, fit into BT-HOUS-LGX-1RU Chassis

| Order Number       | Description                        |
|--------------------|------------------------------------|
| BT-WDM-LGX         | 2 channels in LGX box stand-alone  |
| BT-CWDM-MUX-08-LGX | 8 channels in LGX box stand-alone  |
| BT-CWDM-MUX-16-LGX | 16 channels in LGX box stand-alone |
| BT-CWDM-MUX-18-LGX | 18 channels in LGX box stand-alone |

\* Other CWDM configuration on request.

## Optical Splitters

splitter modules in LGX box, fit into BT-HOUS-LGX-1RU chassis

| Order Number   | Description                                     |
|----------------|---|
| BT-SPLIT-2-LGX | Passive distribution of optical signals 1:2 out |
| BT-SPLIT-4-LGX | Passive distribution of optical signals 1:4 out |
| BT-SPLIT-8-LGX | Passive distribution of optical signals 1:8 out |

\* Other optical splitters on request.

## Optical Changeover Switch

switch module in LGX box, fit into BT-HOUS-LGX-1RU chassis

| Order Number | Description                          |
|--------------|--------------------------------------|
| BT-OCS-2-LGX | Optical changeover 2:1, Non-latching |

\* Other optical changeover switch on request.

## DWDM Mux/Demux

DWDM systems in 1RU/2RU Rack-Mount chassis

| Order Number       | Description        |
|--------------------|--------------------|
| BT-DWDM-MUX-32-1RU | 32 channels in 1RU |
| BT-DWDM-MUX-44-1RU | 44 channels in 1RU |

\* Other larger DWDM configuration on request.

## SFP - Initial selection

### How to read a SFP label:

**BTSFP-LX-SM-3G02** : **BTSFP** [barnfind SFP] –**LX** [nm=1310] –**SM** [single mode] –**3G** [max. data rate] –**02** [max. transmitting distance in km]  
 LX = wavelength is 1310nm    ZX = wavelength is 1550nm  
 SM = Single mode                    MM= Multi mode

\* All transmission distances indicated here are just for reference. An optical budget loss calculation is required to retrieve the precise transmission performance.

### SFP Transceiver modules - Single Mode

| Order Number     | Max. Data Rate | Distance | nm     | Compatible            |
|------------------|----------------|----------|--------|-----------------------|
| BTSFP-LX-SM-0220 | 1.25Gbps       | 20km     | 1310nm | 1000Base Ethernet     |
| BTSFP-LX-SM-0240 | 1.25Gbps       | 40km     | 1310nm |                       |
| BTSFP-ZX-SM-0280 | 1.25Gbps       | 80km     | 1550nm |                       |
| BTSFP-LX-SM-0310 | 2.125Gbps      | 10km     | 1310nm | -                     |
| BTSFP-LX-SM-0340 | 2.125Gbps      | 40km     | 1310nm |                       |
| BTSFP-ZX-SM-0380 | 2.125Gbps      | 80km     | 1550nm |                       |
| BTSFP-LX-SM-3G02 | 3G             | 2km      | 1310nm | SDI,HD-SDI and 3G-SDI |
| BTSFP-LX-SM-3G20 | 3G             | 20km     | 1310nm |                       |
| BTSFP-ZX-SM-3G40 | 3G             | 40km     | 1550nm |                       |

\* This is only an initial selection. Other possibilities on request.

### SFP Transceiver modules - Multi Mode

| Order Number   | Max. Data Rate | Distance | nm     | Compatible           |
|----------------|----------------|----------|--------|----------------------|
| BTSFP-MM-1G550 | 1Gbps          | 550m     | 850nm  | 10/100 Fast Ethernet |
| BTSFP-MM-2G550 | 2Gbps          | 550m     | 850nm  | SDI-HD               |
| BTSFP-MM-3G02  | 3Gbps          | 2km      | 1310nm | 3G                   |

### SFP - BIDI Single Mode Transceiver modules

| Order Number    | Max. Data Rate | Distance | nm            | Compatible |
|-----------------|----------------|----------|---------------|------------|
| BTSFP-WDM-0220A | 1.25Gbps       | 20km     | T1310/R1550nm |            |
| BTSFP-WDM-0220B |                |          | T1550/R1310nm |            |
| BTSFP-WDM-0240A | 1.25Gbps       | 40km     | T1310/R1550nm |            |
| BTSFP-WDM-0240B |                |          | T1550/R1310nm |            |
| BTSFP-WDM-0280A | 1.25Gbps       | 80km     | T1490/R1550nm |            |
| BTSFP-WDM-0280B |                |          | T1550/R1490nm |            |
| BTSFP-WDM-0310A | 2.5Gbps        | 10km     | T1310/R1550nm |            |
| BTSFP-WDM-0310B |                |          | T1550/R1310nm |            |
| BTSFP-WDM-0340A | 2.5Gbps        | 40km     | T1310/R1550nm |            |
| BTSFP-WDM-0340B |                |          | T1550/R1310nm |            |
| BTSFP-WDM-0380A | 2.5Gbps        | 80km     | T1490/R1550nm |            |
| BTSFP-WDM-0380B |                |          | T1550/R1490nm |            |

\* All transmission distances indicated here are just for reference. An optical budget loss calculation is required to retrieve the precise transmission performance.

### SFP - CWDM Single Mode Transceiver modules

| Order Number    | Max. Data Rate | Distance | nm          | Compatible      |
|-----------------|----------------|----------|-------------|-----------------|
| BT-CWDM-40-02XX | 1.25Gbps       | 40km     | 1270-1610nm |                 |
| BT-CWDM-80-02XX | 1.25Gbps       | 80km     | 1270-1610nm |                 |
| BT-CWDM-40-03XX | 2.5Gbps        | 40km     | 1270-1610nm |                 |
| BT-CWDM-80-03XX | 2.5Gbps        | 80km     | 1270-1610nm |                 |
| BT-CWDM-10-3GXX | 3Gbps          | 10km     | 1270-1610nm | SDI, HD-SDI, 3G |
| BT-CWDM-40-3GXX | 3Gbps          | 40km     | 1270-1610nm |                 |
| BT-CWDM-80-3GXX | 3Gbps          | 80km     | 1270-1610nm |                 |

### SFP - HiLo (High/Low) CWDM SFP Transceiver modules

| Order Number | Max. Data Rate | Distance | nm          | Compatible      |
|--------------|----------------|----------|-------------|-----------------|
| BT-3G-XX-H   | 3Gbps          | 20km     | 1270-1610nm | SDI, HD-SDI, 3G |
| BT-3G-XX-L   | 3Gbps          | 20km     | 1270-1610nm |                 |

### SFP - DWDM Single Mode Transceiver modules

| Order Number     | Max. Data Rate | Distance | nm | Compatible         |
|------------------|----------------|----------|----|--------------------|
| BT-DWDM-80-02XX  | 1.25Gbps       | 80km     |    | 1000 Base Ethernet |
| BT-DWDM-120-02XX | 1.25Gbps       | 120km    |    |                    |
| BT-DWDM-80-03XX  | 2.5Gbps        | 80km     |    | OC-48, STM-16      |
| BT-DWDM-120-03XX | 2.5Gbps        | 120km    |    |                    |

\* Wavelength selectable to C-band and L-band ITU-T grid wavelengths

### Other SFPs

| Order Number                   | Description  |
|--------------------------------|--|
| <b>Video HDBNC Coaxial SFP</b> |  |
| EB30HDRT-MM                    | SDI SFP (emSFP) Coaxial transceiver, medium reach, MSA, HD-BNC           |
| <b>Video DIN Coaxial SFP</b>   |  |
| EB30CSRT-MM                    | SDI SFP (emSFP) Coaxial ransceiver medium reach, MSA, DIN 1.0/2.3        |
| <b>HDMI/DVI emSFP</b>          |  |
| EB34TD1R-SM                    | HDMI to 3Gbps SDI Converter  |
| EB34TD1T-SM                    | SDI to HDMI/DVI SFP Transmitter (emSFP), MSA, Type D with retention clip |
| <b>CVBS emSFP</b>              |  |
| EB30CSRT-AM                    | CVBS SFP (emSFP) Coaxial transceiver, MSA, DIN1.0/2.3                    |
| EB30HDRT-AM                    | CVBS SFP (emSFP) Coaxial transceiver, MSA, HD-BNC                        |
| <b>Ethernet SFP</b>            |  |
| BTSFP-Gbase-CU                 | 10/100/1000 Mbit/s   |
| <b>Singel Receiver SFP</b>     |  |
| BTSFP-RX-HS-3G                 | 3G-SDI Single mode receiver, High Sensitivity                            |

## Accessories

| Order Number                              | Description  |                        |
|---|--|------------------------|
| BT-PSU-100-240AC                          | 110 ~ 240V to 12V, 120 W<br>Redundant PSU for BarnOne / BTF-Mini-16                    |                        |
| BT-PSU-36-72DC                            | 48DC to 12V, 100 W<br>Redundant PSU for BarnOne / BTF-Mini-16                          |                        |
| BTF1-TRAY-PSU                             | Tray for PSU to be mounted on the rear side of BarnOne                                 |                        |
| BT-EXT-PAIR-5CM                           | Extension mounting brackets for BarnOne, 5cm deep.<br>Price per pair                   |                        |
| BT-FAN-BARNONE                            | Fan Cassette for BarnOne   |                        |
| BT-Mini-PSU                               | Spare PSU for BarnMini series (stand-alone)  |                        |
| BT-ATT-LC-05                              | Attenuator for LC connectors, 5dBm   |                        |
| BT-PA-LC/LC-SM-SX-0.5M (BT-PATCH-LC-50CM) | Fiber patch cables LC-LC, Single Mode, Simplex, other lengths on request               | 0,5m                   |
| BT-PA-LC/LC-SM-SX-3M (BT-PATCH-LC-3M)     |  | 3m                     |
| BT-PA-LC/LC-SM-SX-5M (BT-PATCH-LC-5M)     |  | 5m                     |
| BT-PA-LC/LC-SM-SX-10M (BT-PATCH-LC-10M)   |  | 10m                    |
| BT-PA-FC/LC-SM-DX-1M                      | Fiber patch cables FC-LC, Single Mode, Duplex  | 1m                     |
| BT-PA-LC/LC-MM-DX-0.5M                    | Fiber patch cables LC-LC, Multi-Mode, Duplex   | 0,5m                   |
| FAULT LOCATOR 8-10km                      | Visual fault locator optical tester  | 10mW                   |
| BT-POWER METER-JW3208A                    | Portable optical power meter   | range(dBm)<br>-70 ~ +3 |
| BARNCLEAN                                 | Fiber optical connector cleaner  |                        |
| BARNCLEAN REFILL                          | Refill cassette for BarnClean  |                        |
| EB00CA02-03A                              | cable HD-BNC to BNC<br>HD-BNC plug (M) to BNC Jack (F) cable adapter, 3in Belden 1855A |                        |
| EB00CC04-02C                              | cable SFP to HDMI<br>HDMI type D plug to HDMI type A jack, 2M                          |                        |
| EB00CC05-02C                              | cable SFP to DVI<br>HDMI type D plug to DVI A jack, 2M,                                |                        |

## BarnCare

Barnfind offers 2-YEAR standard warranty for all products in this Price List. For BarnOne series (Frame, PSU, Fan Cassette), we offer [an extra 3-YEAR warranty](#) that can be purchased on request.

Contact us for even longer warranty requests or other support agreements!  
See also **Business Partner Agreement (BPA)** for further information.

| Order Number   | Description  |
|--|--|
| BC-BTF1-EXTRA-3  | Non-discountable   |
| BC-BTF1-EXTRA-XX   | Non-discountable   |
| Barnfind offers on-site commissioning of products delivered by Barnfind which includes training, support and configuration |  |
| BC-ONSITE-DAY  | Per-day fee, excluding accomodation and transportation. Non-discountable |