

# A Bridge Between Needs & Solutions

An Indian OEM with a vision to build world-class networking products focusing on R&D, Patents, Hardware & Software development.



## PRODUCT CATALOG

2024-25

# ABOUT US

## Core Values

### Accountability

Planned  
Structured to Implement

A

B

### Brilliance

Core Competencies & Assets  
Learn and Share

T

PL

### Technology

Technology and Innovation Focus

### Planning

Collaboration  
For Wider Network Coverage

## Certifications



ISO 9001



ISO 20000



ISO 45001



ISO 27001



ROHS



Efficient • Transparent • Inclusive

## Product Line



AOC & DAC



SFPs



L2/L3  
SWITCHES



GPON GEAR



INDUSTRIAL  
SWITCHES

# INDEX

## FTTH SOLUTIONS

- ✓ GPON - OLT
- ✓ GPON - ONT
- ✓ PON SFP
- ✓ XPON STICK

## POE SOLUTIONS

- ✓ POE Managed
- ✓ POE Unmanaged
- ✓ POE L3 Lite
- ✓ POE L3

## SWITCHING SOLUTION

- ✓ L2 Managed
- ✓ L2 Unmanaged
- ✓ L3 Lite Switch
- ✓ L3 Switch
- ✓ L3 40/100G Switch
- ✓ Industrial Switch
- ✓ DAC & AOC

## OPTICAL TRANSCEIVERS

- ✓ 1.25G Dual /Single Fiber
- ✓ 10G Dual/Single Fiber
- ✓ 1G/10G Copper SFP
- ✓ 25G Dual/Single Fiber
- ✓ 40G QSFP
- ✓ 100G Dual/Single Fiber
- ✓ 400G QSFPDD / OSFP

## SERVICES

- ✓ Cloud NMS
- ✓ Training
- ✓ Prof. Services
- ✓ Support Services
- ✓ Value Added Services

## OTHER PRODUCTS

- ✓ Media Convertor  
- (AC/DC/Industrial)
- ✓ PoE Injector  
- (AC/DC/Industrial)
- ✓ Fiber Channel SFPs

"Enabling Customers to build Modern &  
State-of- the-art Broadband Networks globally"

# AB FTTH SOLUTIONS

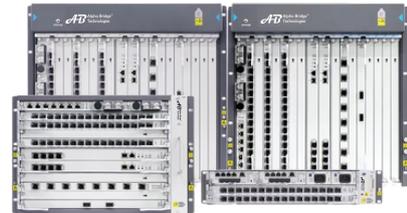
## GPON OLT



**AGL04/08/16**  
**4/8/16 PON Interface**  
**2 SFP GE / 2 SFP+10GE interface**  
**AC+AC/DC+DC**



**AGL32/64/128**  
**8/16/32/64/128 XGS PON Interface**  
**Custom Uplink/Downlink**  
**AC+AC+/DC+DC**



## GPON ONT



### ABONT- 4



**1\*PON + 4\*GE ports,**  
**Single Band**  
**1\*FXS+1\*USB**

### ABONT-5



**1\*PON + 4\*GE ports,**  
**Single Band,**  
**1\*FXS+1\*USB**

### ABONT-6



**1\*PON + 4\*GE ports,**  
**Dual Band,**  
**1\*FXS +1\*USB**

### ABONT-6/A



**1\*PON + 4\*GE ports,**  
**Dual Band,**  
**2\*FXS+2\*USB**

## PON SFP



**GEPON SFP MODULE**  
**7~9db,1490/1310, 20KM**



**GPON SFP**  
**C+++,1490/1310, 20KM**



**1.25/2.G T1310/R1490nm**  
**20Km SC**

## XPON STICK

# AB L2 / L3 SWITCHING SOLUTIONS

## L2 Managed



### AS200/10/T

- 8 GE TX + 2\*1GE SFP



### AS200/28/T

- 24 GE TX + 4\*1GE SFP



## L2 Unmanaged



### AS200/10/8/T/U

- 8\*1GE TX



### AS200/16/T/U

- 16\* 1GE TX



### AS200/28/26/T/U

- 24 \* 1GE TX + 2 \* 1G SFP



## Layer 3 Lite



### AS200/54/XT

- 48\* 1GE and 6\*10GE SFP+



### AS200/28/XF

- 24\* 1GE and 4\*10GE SFP+



### AS200/28/XT

- 24 GE and 4\*10GE SFP+



### AS200/12/XT

- 8 GE and 4\*10GE SFP+



# AB L3 SWITCHING SOLUTIONS

## Layer 3

### AS300/30/XT

- 24 \*1GE and 6\*10G SFP+



### AS300/38/XF

- 24\*1G SFP + 8 GE TX
- 6\*10G SFP+



### AS300/20/XF

- 12\*10G SFP and 8 GE TX



### AS300/54/XF

- 24\*G SFP and 24\*GE TX
- 6\*10G SFP+



### AS300/54/XT

- 48\*GE TX and 6\*10G SFP+



## Layer 3 100G

### AS300/28/C

- 24\*10G SFP+ and 4\*100G QSFP28



### AS300/54/C

- 48\*10G SFP+ and 2\*40G QSFP+
- 4\* 100G QSFP28



# AB PoE SWITCHING SOLUTIONS

## PoE Managed



### AS200/10/P

- 8 GE PoE and 2\*GE SFP
- 150W PoE



### AS200/28/P

- 24 GE PoE and 4\*GE SFP combo
- 400W PoE



## PoE Unmanaged



### AS200/10/S5PU

- 4 GE POE + 1\*GE TX



### AS200/10/PU

- 8 GE POE + 2\*GE TX



## Layer 3 Lite PoE



### AS200/12/XP

- 8 GE PoE + 4\*10G SFP+
- 125W POE power



### AS200/28/XP

- 24 GE PoE + 4\*10G SFP+
- 370W POE power



### AS200/54/XP

- 48 GE PoE + 6\*10G SFP+
- 370W AC POE power
- 740W DC POE power



## Layer 3 PoE

### AS300/54/XP



- 48 GE PoE and 6\*10G SFP+ Ports
- 2 power slots with 1 hot-swap
- 370W AC POE power
- 740W DC POE power

# AB Industrial Switches Solution

## Industrial Managed

### AS200/10//4T2F

- 4 GE TX + 2 GE SFP



### AS200/10//8T2F

- 8 GE TX + 2 GE SFP



### AS200/10//10T4F

- 10 GE TX + 4 GE SFP



## Industrial PoE Managed

### AS200/10//4P2F

- 4 GE POE + 2 GE SFP
- PoE 120W



### AS200/10//8P2F

- 8 GE POE + 2 GE SFP
- PoE 240W



### AS200/10//10P4F

- 8 GE POE + 2 GE TX + 4 GE SFP
- PoE 240W



## DAC AND AOC

### DAC Cable

- Speeds: 10G to 400G
- Distance : 0.5m to 7m
- 40G/100G/200G/400G Breakouts



### AOC Cable

- Speeds: 10G to 400G
- Distance : 3m to 100m
- 40G/100G/200G/400G Breakouts



## 1.25G Copper/Dual Fiber



Elect,  
100m, RJ45



850nm,  
550m,MMF



1310nm,  
20/40km, SMF



1550nm,  
40/80/120KM, SMF

## 1.25G BiDi Single Fiber



1310/1550nm,  
20km, SMF, Pair



1310/1550nm,  
20km, SMF, Pair (SC)



1310/1490nm,  
20/40km, SMF



1310/1550nm,  
40km, SMF



1490/1550nm,  
80/120km, SMF

## 10G Copper/Dual Fiber



Elect  
30m, RJ45



850nm,  
300m, MMF



1310nm,  
10/20Km, SMF



1550nm,  
40/80Km, SMF

## 10G BiDi Single Fiber



1270/1330nm,  
10, 20, 40, 60Km, SMF



1490/1550nm,  
80Km, SMF



850nm,  
300m SMF



1310nm,  
10,40Km, SMF



1550nm,  
40,80,100Km, SMF

## SFP XFP

## QSFP+ 40G



40G QSFP+  
SR4, LR4, eLR4, ER4

## QSFP28 100G



100G QSFP28  
SR4, LR4, ER4, ZR4

## QSFPDD 400G



400G QSFPDD  
SR8, DR4, FR4, LR4/LR8, ER4, ZR4

## POE Injector



- Up to 48W @1GE

## Industrial PoE+ Injector



- Up to 36W @1GE

## Media Converter

### Managed



- Support 1 \* GE SFP + (1-4) GE Adaptive
- External AC power adaptor
- SNMP support V1, V2, V3

### Unmanaged



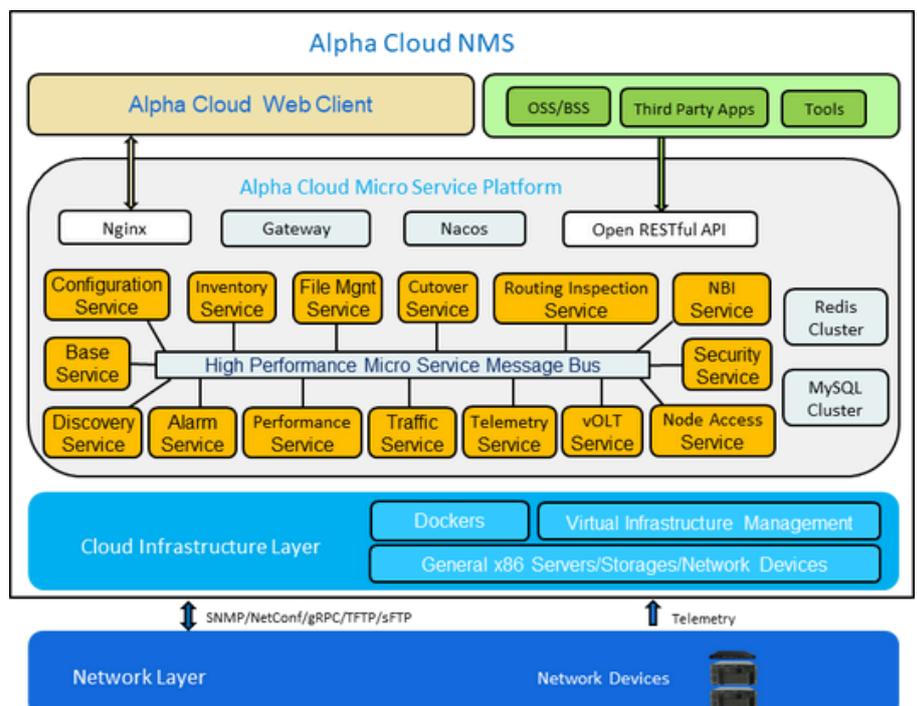
- Supports 10/100/1000Base-T
- External AC power adaptor
- Support Auto MDI/MDI.

# AB CLOUD SOFTWARE

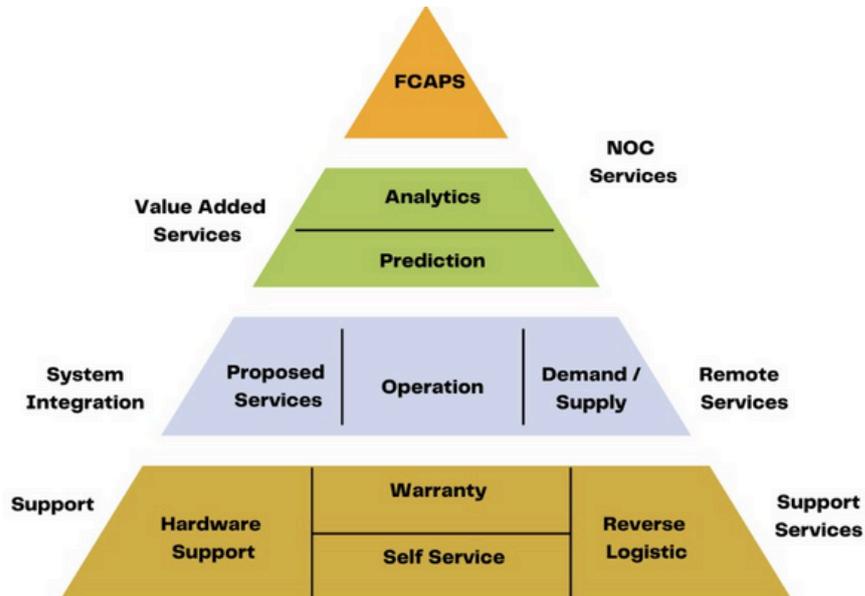
AB NMS utilizes end-to-end hybrid cloud distributed tracing to optimize service performance and help organizations innovate faster, collaborate more efficiently, and deliver greater value with less effort. Understand all the relationships across the full stack and get precise answers with the option to add digital experience and analytic functionalities.

## Key Features

- System Management
- Topology Management
- Fault Management
- Security Management
- Performance Management
- Inventory Management
- Cloud Management
- Predictive Management
- Analytics & Report



# AB SERVICES & SUPPORT



## Layer 1

Hardware Support, which includes Self-service, Telephonic Support, Field support, warranty and reverse logistics.

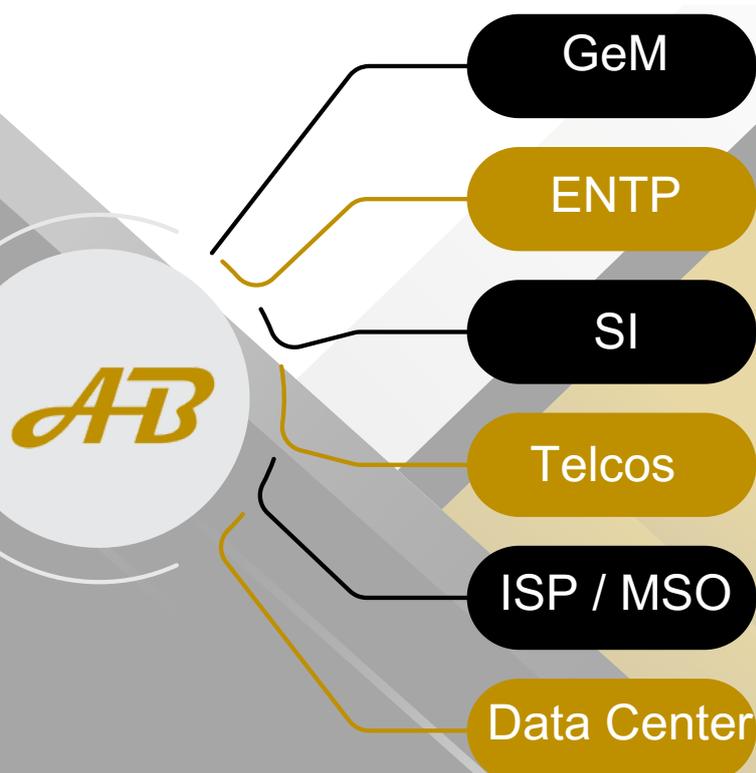
## Layer 2

The SI layer, which includes Professional services like Design, Implementation, Operation support, etc

## Layer 3

Third layer is the Value added services layer: FCAPS, Network Analytics, Prediction, NOC services implementation, etc.

## AB Market Presence



Alpha Bridge Technologies has established a notable market presence, leveraging its cutting-edge solutions in Networking and Broadband Solution to cater to a diverse clientele. The company has distinguished itself through a strong focus on innovation and customer-centric approaches, enabling it to secure partnerships with major industry players and penetrate various sectors, including ISP, Telcos, finance, and manufacturing etc. Alpha Bridge Technologies' robust portfolio of products and services, combined with strategic investments in research and development, has bolstered its reputation as a leader in tech-driven transformation.

# Why Choose Alpha Bridge?



Alpha Bridge is an OEM for Network Switches like L2 Unmanaged/Managed, L3 Lite, Layer 3, PoE (Across Portfolio), GPON Gear & Optics (1G to 800G) based out of India & Taiwan. These products are quality tested on various parameters and are appreciated for attributes like durability, reliability, longer functional life, dimensional accuracy, precision engineering, user-friendliness and most importantly, cost-effectiveness.

These products and services are already tested and supplied to some of the most prominent clients across the globe.

Above Products are available on GeM (Government E-Marketplace) as well as the regular market places.



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