Alpha Bridge® Technologies

MAKE IN INDIA

A Bridge Between Needs & Solutions

We are a rapidly developing OEM with a focus on R&D, Patents, and State-of-the-art networking products including hardware and software development

Product Catalog

2023-24

FTTH | GPON | POE SWITCH | L2 / L3 SWITCH | OPTICAL TRANSCEIVERS

AB LEADERS

Sanjay Kothari,
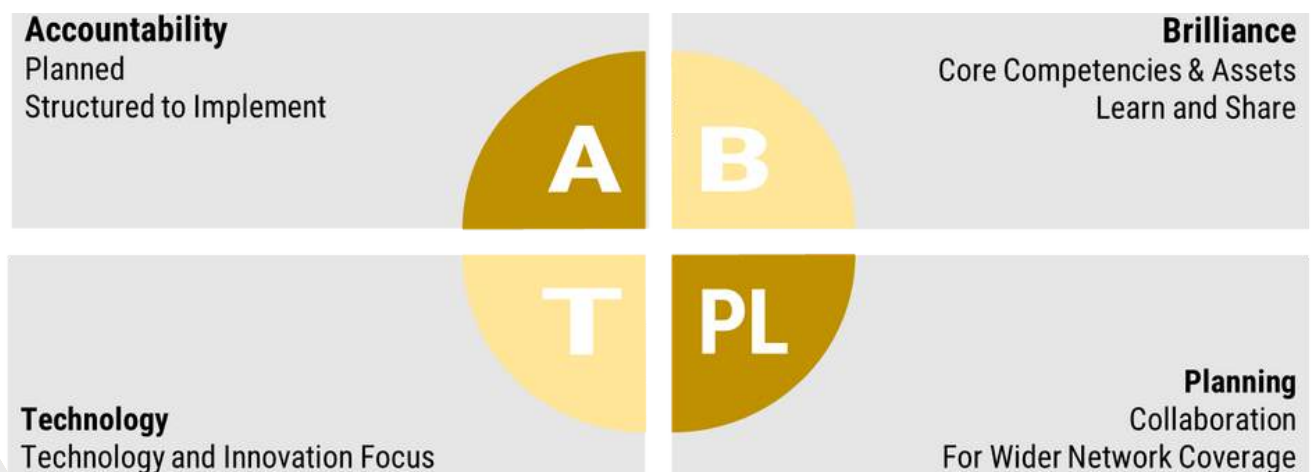### Founding Director And CEO

"People use the internet for apps/streaming/social media, etc but what we make, runs all this fun stuff. And I am excited everyday **"What the next demand will be"**

Rajiv Mittal,
Founding Director And CTO

"Always solve the any–to–any connectivity need of our customers, as we are at the beginning of the next connectivity revolution"

AB CORE VALUES

Accountability
Planned
Structured to Implement

Brilliance
Core Competencies & Assets
Learn and Share

A	B
T	**PL**

Technology
Technology and Innovation Focus

Planning
Collaboration
For Wider Network Coverage

ISO 9001 CERTIFIED · ISO 20000 Certified · ISO 45001 · ISO 27001 CERTIFIED · GeM Government e Marketplace · CE · RoHS compliant · TEC

INDEX

FTTH SOLUTIONS

- ✓ OLT
- ✓ ONU
- ✓ PON SFP
- ✓ WIFI-6 ONU

POE SOLUTIONS

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

SWITCHING SOLUTION

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

OPTICAL TRANSCEIVERS

- ✓ 1.25G Dual Fiber
- ✓ 1.25G Single Fiber
- ✓ 10G Dual Fiber
- ✓ 10G Single Fiber
- ✓ Copper SFP
- ✓ QSFP+ 40G
- ✓ QSFP28 100G

AB SERVICES

- ✓ Cloud NMS
- ✓ Value Added Services
- ✓ Training
- ✓ SD-WAN
- ✓ CWDM
- ✓ DWDM
- ✓ Cellular WiFi Router

"We are an OEM with a vision to build world-class Networking products"

AB FTTH SOLUTIONS

GPON OLT

TEC Certified

AGL04
4 PON Interface
2 SFP GE / 2 SFP+10GE interface

AGL08
8 PON Interface
2 SFP GE/ 2 SFP+ 10GE Interface

AGL16
16 PON Interface
2 SFP GE/ 2 SFP+ 10GE Interface

ONU – PON

1 GE PON ONU

1 GE + 2 Antenna
WiFi PON ONU

2LAN + 1POT 2 Antenna Single
Band PON ONU

2 LAN + 1 POT + 4
Antenna Dual Band
PON ONU

PON SFP Modules

XPON STICK

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

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

1.25/2.G T1310/r1490nm
20Km SC

AB L2 / L3 SWITCHING SOLUTIONS

L2 Managed TEC Certified

AS200/10T

- 8 GE TX Ports
- 2* 1GE SFP Ports
- 1 Console Port
- AC220V Power Supply
- Fanless Technology

AS200/28T

- 24 GE TX Ports
- 4* 1GE SFP Ports
- 1 Console Port
- AC220V Power Supply,
- Fanless, 19-inch rack-mounted

L2 Unmanaged TEC Certified

AS200/10/8/T/U

- Ethernet Unmanaged Switch
- 8*1GE TX Ports,
- Loop alarm LED indicator,
- 5V/1A (5~12V DC input),
- Fanless Technology

AS200/16/T/U

- Ethernet Unmanaged Switch
- 16* 1GE TX Ports
- Thunder-proof, AC220V
- Fanless Technology
- 11-inch chassis

AS200/28/26/T/U

- Ethernet Unmanaged Switch
- 24 * 1GE TX Ports
- 2 * 1G SFP Ports
- Thunder-proof, AC220V
- Fanless Technology
- 19-inch chassis

Layer 3 Lite TEC Certified

AS200/54/XT

- 48* 1GE and 6*10GE SFP+ Ports
- 1 Console Port
- 240 VAC input, with cooling fan, 1U,
- Standard 19-inch rack-mounted

AS200/28/XF

- 24* 1GE and 4*10GE Ports
- 1 Console Port,
- 240 VAC input, 60 HZ,
- Standard 19-inch rack-mounted

AS200/28/XT

- 24 GE and 4*10GE SFP+ Ports
- 1 Console port
- 240 VAC input
- Fanless Technology
- Standard 19-inch rack-mounted

AS200/12/XT

- 8 GE and 4*10GE SFP+ ports
- 1 Console port
- 240 VAC input
- Fanless Technology
- Standard 19-inch rack-mounted

AB L3 SWITCHING SOLUTIONS

Layer 3

AS300/30/XT

- 24 *1GE and 6*10G SFP+ Ports
- RJ45 Console Port
- 2 Power slots with 1 hot–swap AC220V Power Supply
- With cooling fan, 1U, Standard 19–inch rack–mounted

AS300/38/XF

- 24*1G SFP Port and 8 GE TX Port
- 6*10G SFP+ Ports
- RJ45 Console Port
- 2 power slots with 1 hot–swap AC220V Power Supply
- With cooling fan, 1U, Standard 19–inch rack–mounted

AS300/20/XF

- 12*10G SFP Ports and 8 GE TX Ports
- 1 Console Port
- AC220V single Power Supply,
- With cooling fan
- 1U, 19–inch rack–mounted

AS300/54/XF

- 24*G SFP Ports and 24*GE TX Ports
- 6*10G SFP+ Ports
- RJ45 Console Port
- 2 power slots with 1 hot–swap
- AC220V power supply with cooling fan
- 1U, Standard 19–inch rack–mounted

AS300/54/XT

- 48*GE TX Ports and 6*10G SFP+ Ports
- RJ45 Console Port
- 2 Power slots with 1 hot–swap
- AC220V Power Supply with cooling fan
- 1U, Standard 19–inch rack–mounted

Layer 3 100G

AS300/28/C

- 24*10G SFP+ Ports and 4*100G QSFP28 Ports
- 1 Console Port, 1 out–band port, 1 USB2.0
- 2 hot–swap power slots with dual AC220 power supplies
- 4 cooling fans
- 1U, Standard 19–inch rack–mounted

AS300/54/C

- 48*10G SFP+ Ports, 2*40G QSFP+ Ports
- 4* 100G QSFP28 Ports
- 1 Console Port, 1 out–band port
- 2 power slots with 2 hot–swap AC220V power supplies,
- 4 cooling fans
- 1U, 19–inch rack–mounted

AB PoE SWITCHING SOLUTIONS

PoE Managed
T-C Certified

AS200/10/P

- 8 GE PoE ports and 2*GE SFP Ports
- 1 Console Port
- 1 Standard AC220V Power Supply, 150W,
- Fanless, 1U, rack-mounted

AS200/28/P

- 24 GE PoE ports and 4*GE SFP combo ports
- 1 Console Port
- 1 Standard AC220V Power Supply, 400W with cooling fan
- 1U, Standard 19-inch rack-mounted

PoE Unmanaged
T-C Certified

AS200/10/P/U

- 8 GE PoE Ports and 2 GE TX Ports
- Built-in AC220V Power Supply
- 110W PoE power
- Desk-top/rack-mounted

AS200/16/2/P/U

- 16 GE PoE Ports and 2*GE SFP Ports
- Built-in AC220V Power Supply
- 240W PoE power,
- Rack-mounted

AS200/26/P/U

- 24 GE PoE Ports and 2*GE SFP Ports
- Built-in AC220V Power Supply
- 370W PoE power
- Rack-mounted

Layer 3 Lite PoE
T-C Certified

AS200/12/XP

- 8 GE PoE Ports and 4*10G SFP+ Ports
- 1 Console Port
- Standard AC220V power supply
- 125W POE power
- 1U standard 19-inch rack-mounted

AS200/28/XP

- 24 GE PoE Ports and 4*10G SFP+ Ports
- 1 Console Port
- Standard AC220V Power Supply
- 370W POE power with cooling fan
- 1U Standard 19-inch rack-mounted

AS200/54/XP

- 48 GE PoE Ports and 6*10G SFP+ Ports
- 1 Console Port
- Standard AC220V Power Supply 370W AC POE power
- 740W DC POE power, cooling fan
- 1U standard 19-inch rack-mounted

Layer 3 PoE

AS300/54/XP

- 48 GE PoE and 6*10G SFP+ Ports
- RJ45 Console Port
- 2 power slots with 1 hot-swap
- AC220V PoE power supply with cooling fan
- 1U, Standard 19-inch rack-mounted

AB Industrial Switches Solution

Industrial Managed

AS200/10/I/4T2F

- 4 GE TX 2 100/1000M SFP
- Dual DC 12~ 55V
- lightning protection level of 6KV
- DIN-rail installation

AS200/10/I/8T2F

- 8 GE TX 2 100/1000M SFP
- Dual DC 12~ 55V
- lightning protection level of 6KV
- DIN-rail installation.

AS200/10/I/10T4F

- 10 GE TX 4 100/1000M SFP
- Dual DC 12~ 55V
- lightning protection level of 6KV
- DIN-rail installation

Industrial PoE Managed

AS200/10/I/4P2F

- 4 GE POE 2 100/1000M SFP
- Dual DC 48~ 55V 125W
- lightning protection level of 6KV
- DIN-rail installation

AS200/10/I/8P2F

- 8 GE POE 2 100/1000M SFP
- Dual DC 48~ 55V
- lightning protection level of 6KV1U
- DIN-rail installation

AS200/10/I/10P4F

- 8 GE POE 2 GE TX 4 100/1000M SFP
- Dual DC 48~ 55V
- lightning protection level of 6KV1U
- DIN-rail installation

DAC AND AOC CABLE

DAC Cable

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

AOC Cable

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

100% Compatible for all major OEMs

AB Optical Transceivers

1/1.25G Copper/Dual Fiber

1GE SFP 100m, COPPER, RJ45

850nm, 550m, multi-mode fiber

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

10GE SFP 30m, COPPER, RJ45

850nm, 300m multi-mode fiber

1310nm, 10/20Km, SMF

1550nm, 40/80Km, SMF

10G BiDi Single Fiber

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

1490/1550nm, 80Km, SMF

QSFP+ 40G

40G QSFP+
SR4, LR4, eLR4, ER4
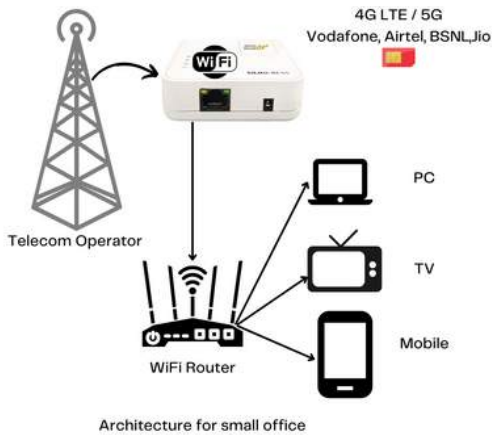
QSFP28 100G

100G QSFP28
SR4, LR4, ER4, ZR4

QSFPDD 400G

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

100% Compatible for all major OEMs

NETWORK SOLUTIONS

Cellular WiFi Router

4G LTE / 5G
Vodafone, Airtel, BSNL,Jio

Architecture for small office

- LTE CONNECTIVITY
- 4G/3G/2G with Single SIM,
- 2.4GHz, 300Mbps WiFi
- 1 x RJ45 ports, 10/100 Mbps
- Nano SIM

Media Converter

Managed

- Supports 10/100/1000Base-T auto negotiation on the UTP por
- External AC power adaptor
- LFP (Link Fault Pass-through) and FEF (Far End Fault)
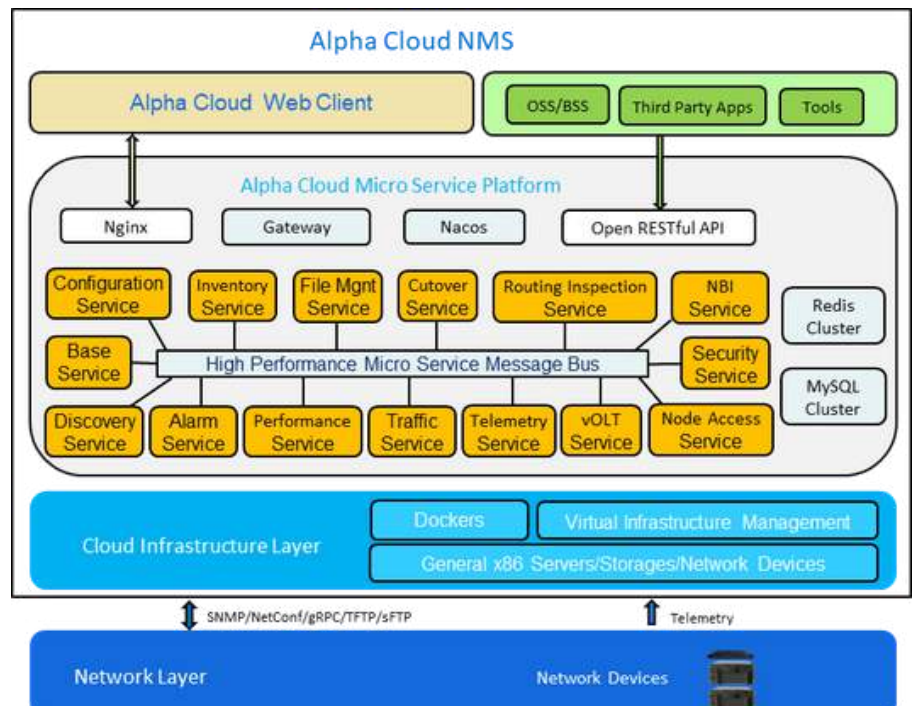- Support Auto MDI/MDI.

Unmanaged

- Support 1 100/1000M with Ethernet SFP port, 1-4 10/100/1000M port adaptive.
- SNMP support V1, V2, V3
- Support Fiber optic fiber breakage and remote alarm function
- Support Dying Gasp remote equipment fail alarm
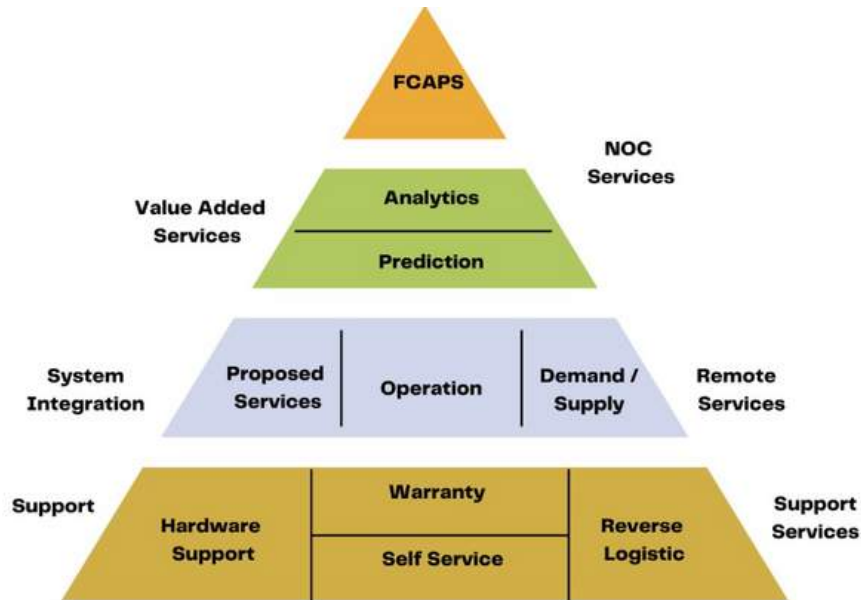
CLOUD SOFTWARE

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

10

AB SERVICES & SUPPORT

First Layer

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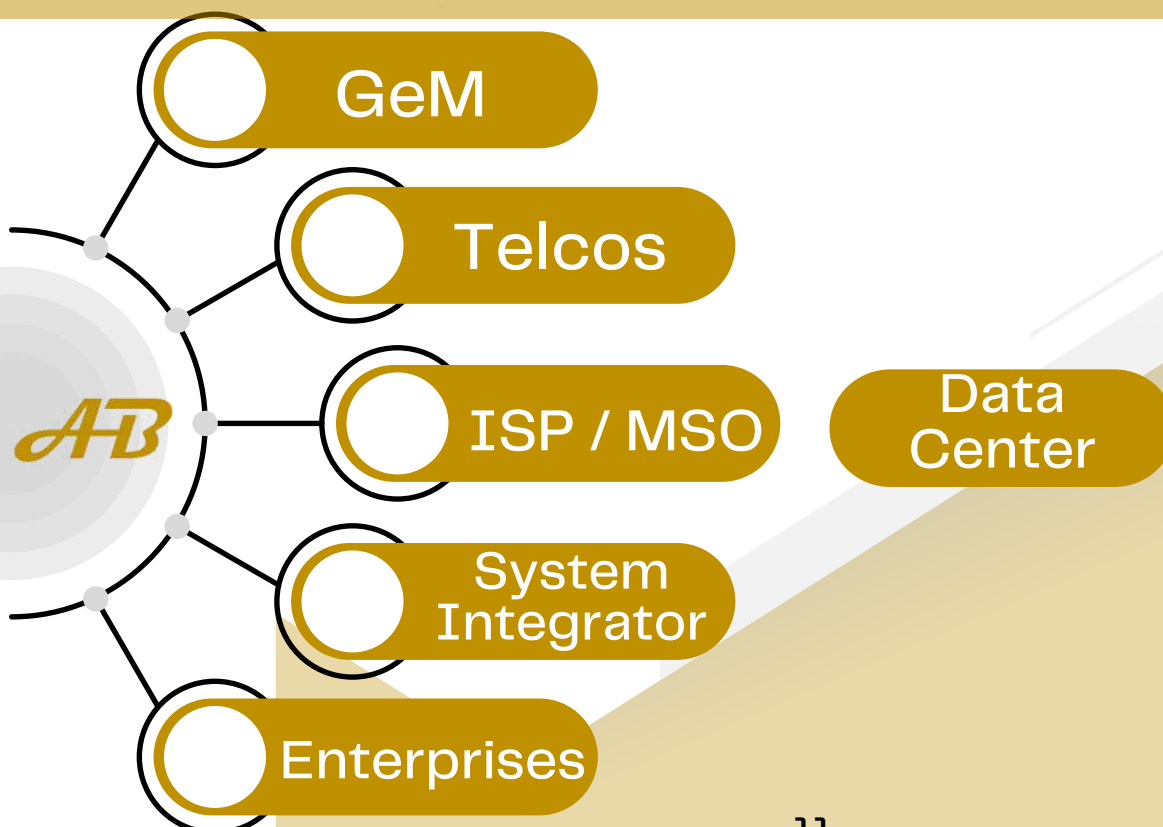
Second Layer

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

Third Layer

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

AB Market Presence

GeM

Telcos

ISP / MSO

Data Center

System Integrator

Enterprises

Why Choose Alpha Bridge?

MAKE IN INDIA

Guaranteed Quality

Deployed in major networks

Fast Delivery

Wide Range of Products

Competitive price

End to end solution

Customization Available

Alpha Bridge is an OEM for Network Switches like L2 Unmanaged/Managed, L3 Lite, Layer 3, PoE(Across Portfolio), GPON Gear & Optics (1G to 400G) in India. 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 such as DRDO, Vodafone Idea, Asianet, Bharti Airtel, Indian Railways, HAL, etc.

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

AB Alpha Bridge® Technologies

Alpha Bridge Technologies Pvt. Ltd.