

ALTA

Alta is a member of NetQuest's **PINNACLE™** family of NIC Adapters. It is designed to capture, inspect, and forward traffic in SONET/SDH and PDH networks. The table below lists the three Alta models available and the network they access.



Alta 155/622

ALTA MODEL	NETWORK TECHNOLOGY			BUS		LINE SPEED			
	POS	ATM	TDM	PCI-X	PCIe	OC3/ STM-1	OC12/ STM-4	T3/E3	T1/E1
Alta 155/622	✓	✓	✓	✓	✓	✓	✓		
Alta 34/45		✓	✓	✓	✓			✓	
Alta 1.5/2.0		✓	✓	✓	✓				✓

The following tables list the technical specifications for each of the Alta models. For more information on Alta, please email NetQuest at info@netquestcorp.com.

ALTA 155/622 FOR SONET/SDH

	SPECIFICATION	NOTES
PHYSICAL INTERFACES		
Number of Interfaces	2 (Maximum)	Supports a mix of line speeds and protocols
Interface Type	Small Formfactor Pluggable (SFP)	
Optical Fiber Modes	Singlemode and Multimode	
WAN Transceiver Types	SR-1, IR-1, LR-1, and LR-2	
NETWORK INTERFACES		
SONET/SDH		
<i>Concatenated</i>	OC3c/STM-1c (155Mbps)	Support for POS and ATM
	OC12c/STM-4c (622Mbps)	
<i>Channelized</i>	OC3/STM-1 (155Mbps)	Multichannel HDLC and ATM support for Broadband (VC3/4), Wideband (VC11/12), and Narrowband (64Kbps, Nx64Kbps, and DS0) TDM channelization
	OC12/STM-4 (622Mbps)	
OTHER SPECIFICATIONS		
Host Bus Operation	PCIe (1 lane); PCI-X 64bit/133MHz or 64bit/66MHz	
Size	Full height, half length NIC board	
Power	15 W (Maximum)	
Operating Temperature	32 - 131 degrees F (0 - 55 degrees C)	
Humidity	10-90% non-condensing	

**ALTA 34/45
FOR T3/E3**

	SPECIFICATION	NOTES
PHYSICAL INTERFACES		
Number of T3(DS3)/E3 Interfaces	2 (Maximum)	
Interface Type	75 Ohm BNC Connectors	
NETWORK INTERFACES		
PDH		
<i>Clear Channel</i>	T3/E3	Support for ATM and HDLC
<i>Channelized</i>	T3/E3	Multichannel HDLC and ATM support for Wideband (VC11/12) and HDLC support for Narrowband (64Kbps, Nx64Kbps, and DS0) TDM channelization
OTHER SPECIFICATIONS		
Host Bus Operation	PCIe (1 lane); PCI-X 64bit/133MHz or 64bit/66MHz	
Size	Full height, half length NIC board	
Power	15 W (Maximum)	
Operating Temperature	32 - 131 degrees F (0 - 55 degrees C)	
Humidity	10-90% non-condensing	
Accessories	TAP and cable included	

**ALTA 1.5/2.0
FOR T1/E1**

	SPECIFICATION	NOTES
PHYSICAL INTERFACES		
Number of T1/E1 Interfaces	4 (Maximum)	
Interface Type	100-110 Ohm Shielded or Unshielded Twisted Pair RJ-45 Connectors	
NETWORK INTERFACES		
PDH		
<i>Clear Channel</i>	T1/E1	Support for ATM and HDLC
<i>Channelized</i>	T1/E1	Multichannel HDLC and ATM support for Wideband (VC11/12) and HDLC support for Narrowband (64Kbps, Nx64Kbps, and DS0) TDM channelization
OTHER SPECIFICATIONS		
Host Bus Operation	PCIe (1 lane); PCI-X 64bit/133MHz or 64bit/66MHz	
Size	Full height, half length NIC board	
Power	15 W (Maximum)	
Operating Temperature	32 - 131 degrees F (0 - 55 degrees C)	
Humidity	10-90% non-condensing	
Accessories	TAP and cable included	

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NetQuest Corporation designs, manufactures and markets innovative monitoring access products for applications in telecommunications service provider, government, and enterprise networks. Founded in 1987 and based in Mount Laurel, New Jersey, NetQuest is privately held and operates under the original management team. With more than a 20 year track record of providing cutting edge monitoring access solutions, NetQuest has developed a global customer base, marketing directly and through a network of value added resellers and representatives.