ALIEN TECHNOLOGY

NANOSCANNER READER

(2450MHz Battery System)

Reader↔Host
Commands

QUICK
REFERENCE
GUIDE

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Help and Info

HELP ("h")   List reader commands.
INFO ("i")   List current reader settings.

General Commands

Command	Description
Get/Set ReaderName	Allows an arbitrary name to be associated with and retrieved from the reader.
Get ReaderType	Get a description of the reader type
Get ReaderVersion	Get the reader software/hardware versions.
Get/Set Username	Get and Set the username used for the network-based access control.
Get/Set Password	Get and Set the password used for the network-based access control.
Get/Set AntennaSequence	Get and Set the antenna port sequence the reader should use.
Reboot	Reboot the reader.
FactorySettings	Reset the reader to its original factory settings.

Tag List

Command	Description
Get/Set AcquireMode	Get and Set how TagLists will be Acquried (Global Scroll or Inventory)
Get/Set PersistTime	Get and Set the persist time.
Get TagList (n)	Get the current list of active tags the from reader in format specified by TagListFormat
Get/Set TaglistFormat	Get and Set the format for how Tag Lists are returned. (Text, or XML).
Clear TagList	Clear the list of active tags on the reader.

Time Commands

Command	Description
Get/Set Time	Get and Set the real time clock on the reader in local time.
Get/Set TimeZone	Get and Set the time zone offset from UTC for the real time clock.
Get/Set TimeServer	Get and Set the location of a network time server.

External I/O

Command	Description
Get/Set ExternalOutput	Get and Set the external output pin values.
Get ExternalInput	Get the external input pin values.

Auto Mode Commands

Command	Description
Get/Set AutoMode	Get and Set Autonomous Mode state. ("On" and "Off")
Get/Set AutoAction	Set the action to be performed while working ("Acquire")
Get/Set... AutoTrueOutput AutoFalseOutput AutoWaitOutput AutoWorkOutput	Get and Set the value of the digital output pins when in the states of Autonomous Mode. (Waiting, Working, Eval True, Eval False)
Get/Set... AutoStartTrigger AutoStopTrigger	Get and Set the values of the start and stop triggers for the Working state.
Get/Set... AutoStopTimer AutoTruePause AutoFalsePause	Get and Set the delays for various Autonomous Mode states

Notify Mode Commands

Command	Description
Get/Set NotifyMode	Get and Set Notify Mode state. ("On" and "Off")
Get/Set NotifyAddress	Get and Set the address to push tag lists to.
Get/Set NotifyTime	Get and Set the time interval for automatically pushing tag lists.
Get/Set NotifyFormat	Get and Set the format for notification messages ("Text" or "XML")
Get/Set NotifyTrigger	Get and Set the trigger for pushing tag lists. ("Add","Remove","Change" "True","False")
Get/Set MailServer	Get and Set an SMTP mail server. This is only required if notification email messages are sent out.
NotifyNow	Send an immediate message via the notification system

Network Commands

Command	Description
Get/Set DHCP	Turn on or off reader's DHCP mode. If DHCP is on, the reader will automatically configure itself for the network upon power-up.
Get/Set IPAddress	Get and Set the network ID (IP address) of the reader. If DHCP is enabled, this will be set automatically.
Get/Set Gateway	Get and Set the network gateway. If DHCP is enabled, this will be set automatically.
Get/Set Netmask	Get and Set the subnet mask. If DHCP is enabled, this will be set automatically.
Get/Set DNS	Get and Set the domain name server. If DHCP is enabled, this will be set automatically.
Get/Set HeartbeatPort	The reader periodically sends out heartbeat messages to the network. The port over which this is done can configured with this command.
Get/Set HeartbeatTime	Get and Set the time interval, in seconds, between successive heartbeats.
Get/Set CommandPort	The reader reacts to commands over the network only if they are directed at a specific command port on the reader. This port can be configured using these commands.

Battery Tag Commands

Command	Description
Get/Set Mask	Get and Set a mask to select a population of tags.
Get TagID	Read the ID of the currently selected tag.
Get TagInfo	Get the capabilities of the currently selected tag.
Get/Set TagTime	Get and Set the real time clock in the selected tags.
Get/Set Memory	Get and Set the contents of user accessible memory.
ClearMemory	Clear user accessible memory.
Get/Set MemoryPacketSize	Get and Set size of the packets to be transmitted from the tags.
Get SensorValue	Read the current sensor value on the currently selected tag.
Get/Set LoggingMode	Get and Set the state of Logging ("On" or "Off")
Get/Set LoggingInterval	Get and Set the interval for data logging.

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