QtXBee

Generated by Doxygen 1.8.11

Contents

1 Hierarchical Index **1**

1.1 Class Hierarchy 1

2 Class Index **3**

2.1 Class List 3

3 File Index **5**

3.1 File List 5

4 Class Documentation **7**

4.1 ATCommand Class Reference 7

4.1.1 Constructor & Destructor Documentation 8

4.1.1.1 ATCommand() 8

4.1.1.2 ~ATCommand() 8

4.1.2 Member Function Documentation 8

4.1.2.1 getATCommand() 8

4.1.2.2 getATParameter() 8

4.1.2.3 getFrameData() 8

4.1.2.4 getFrameID() 8

4.1.2.5 getFrameType() const 8

4.1.2.6 setATCommand(QString) 8

4.1.2.7 setATParameter(QByteArray array) 8

4.1.2.8 setFrameData(QByteArray) 8

4.1.2.9 setFrameID(uint8_t) 8

4.2 ATCommandQueue Class Reference 9

4.2.1 Member Function Documentation . . . 9
4.2.1.1 getFrameType() const . . . 9
4.3 ATCommandRemote Class Reference . . . 10
4.3.1 Constructor & Destructor Documentation . . . 10
4.3.1.1 ATCommandRemote() . . . 10
4.3.2 Member Function Documentation . . . 10
4.3.2.1 getCommandOptions() . . . 10
4.3.2.2 getDestinationAdress16() . . . 10
4.3.2.3 getDestinationAdress64() . . . 10
4.3.2.4 getFrameData() . . . 10
4.3.2.5 getFrameType() const . . . 11
4.3.2.6 setCommandOptions(uint8_t) . . . 11
4.3.2.7 setDestinationAddress16(QByteArray) . . . 11
4.3.2.8 setDestinationAddress64(QByteArray) . . . 11
4.3.2.9 setFrameData(QByteArray) . . . 11
4.4 ATCommandResponse Class Reference . . . 11
4.4.1 Constructor & Destructor Documentation . . . 12
4.4.1.1 ATCommandResponse() . . . 12
4.4.1.2 ∼ATCommandResponse() . . . 12
4.4.2 Member Function Documentation . . . 12
4.4.2.1 getATCommand() . . . 12
4.4.2.2 getCommandData() . . . 12
4.4.2.3 getCommandStatus() . . . 12
4.4.2.4 getFrameData() . . . 12
4.4.2.5 getFrameID() . . . 12
4.4.2.6 getFrameType() const . . . 12
4.4.2.7 setATCommand(QString) . . . 12
4.4.2.8 setCommandData(QByteArray) . . . 12
4.4.2.9 setCommandStatus(uint8_t) . . . 12
4.4.2.10 setFrameData(QByteArray) . . . 12

4.4.2.11 setFrameID(uint8_t) . . . 13
4.5 ATCommandResponseRemote Class Reference . . . 13
4.5.1 Constructor & Destructor Documentation . . . 13
4.5.1.1 ATCommandResponseRemote() . . . 13
4.5.2 Member Function Documentation . . . 13
4.5.2.1 getFrameData() . . . 13
4.5.2.2 getFrameType() const . . . 14
4.5.2.3 getSourceAddress16() . . . 14
4.5.2.4 getSourceAddress64() . . . 14
4.5.2.5 setFrameData(QByteArray) . . . 14
4.5.2.6 setSourceAddress16(QByteArray) . . . 14
4.5.2.7 setSourceAddress64(QByteArray) . . . 14
4.6 ModemStatus Class Reference . . . 14
4.6.1 Constructor & Destructor Documentation . . . 15
4.6.1.1 ModemStatus() . . . 15
4.6.1.2 ∼ModemStatus() . . . 15
4.6.2 Member Function Documentation . . . 15
4.6.2.1 getFrameData() . . . 15
4.6.2.2 getFrameType() const . . . 15
4.6.2.3 getStatus() . . . 15
4.6.2.4 setFrameData(QByteArray) . . . 15
4.6.2.5 setStatus(uint8_t) . . . 15
4.7 NodeIdentificationIndicator Class Reference . . . 15
4.7.1 Constructor & Destructor Documentation . . . 16
4.7.1.1 NodeIdentificationIndicator() . . . 16
4.7.1.2 ∼NodeIdentificationIndicator() . . . 16
4.7.2 Member Function Documentation . . . 16
4.7.2.1 getDeviceType() . . . 16
4.7.2.2 getDeviceTypeID() . . . 16
4.7.2.3 getFrameData() . . . 16

4.7.2.4 getFrameType() const . . . 17
4.7.2.5 getManufacturerID() . . . 17
4.7.2.6 getNIString() . . . 17
4.7.2.7 getParentAddress16() . . . 17
4.7.2.8 getProfileID() . . . 17
4.7.2.9 getReceiveOptions() . . . 17
4.7.2.10 getRemoteAddress16() . . . 17
4.7.2.11 getRemoteAddress64() . . . 17
4.7.2.12 getRSSI() . . . 17
4.7.2.13 getSourceAddress16() . . . 17
4.7.2.14 getSourceAddress64() . . . 17
4.7.2.15 getSourceEvent() . . . 17
4.7.2.16 setDeviceType(uint8_t) . . . 17
4.7.2.17 setDeviceTypeID(QByteArray) . . . 17
4.7.2.18 setFrameData(QByteArray) . . . 17
4.7.2.19 setManufacturerID(QByteArray) . . . 17
4.7.2.20 setNIString(QString) . . . 17
4.7.2.21 setParentAddress16(QByteArray) . . . 17
4.7.2.22 setProfileID(QByteArray) . . . 17
4.7.2.23 setReceiveOptions(uint8_t) . . . 17
4.7.2.24 setRemoteAddress16(QByteArray) . . . 17
4.7.2.25 setRemoteAddress64(QByteArray) . . . 17
4.7.2.26 setRSSI(QByteArray) . . . 17
4.7.2.27 setSourceAddress16(QByteArray) . . . 17
4.7.2.28 setSourceAddress64(QByteArray) . . . 17
4.7.2.29 setSourceEvent(uint8_t) . . . 17
4.8 QXBee Class Reference . . . 18
4.8.1 Constructor & Destructor Documentation . . . 18
4.8.1.1 QXBee(QSerialPort *ser) . . . 18
4.8.1.2 ~QXBee() . . . 18

4.8.2 Member Function Documentation . . . 18
4.8.2.1 broadcast(QString data) . . . 18
4.8.2.2 dataReceived . . . 18
4.8.2.3 send(XBeePacket *request) . . . 18
4.8.2.4 unicast(QByteArray address, QString data) . . . 18
4.9 RXIndicator Class Reference . . . 19
4.9.1 Constructor & Destructor Documentation . . . 19
4.9.1.1 RXIndicator() . . . 19
4.9.1.2 ~RXIndicator() . . . 19
4.9.2 Member Function Documentation . . . 19
4.9.2.1 getFrameData() . . . 19
4.9.2.2 getFrameType() const . . . 20
4.9.2.3 getReceivedData() . . . 20
4.9.2.4 getReceiveOptions() . . . 20
4.9.2.5 getSourceAddress16() . . . 20
4.9.2.6 getSourceAddress64() . . . 20
4.9.2.7 setFrameData(QByteArray) . . . 20
4.9.2.8 setReceivedData(QByteArray) . . . 20
4.9.2.9 setReceiveOptions(uint8_t) . . . 20
4.9.2.10 setSourceAddress16(QByteArray) . . . 20
4.9.2.11 setSourceAddress64(QByteArray) . . . 20
4.10 RXIndicatorExplicit Class Reference . . . 20
4.10.1 Constructor & Destructor Documentation . . . 21
4.10.1.1 RXIndicatorExplicit() . . . 21
4.10.2 Member Function Documentation . . . 21
4.10.2.1 getClusterID() . . . 21
4.10.2.2 getDestinationEndpoint() . . . 21
4.10.2.3 getFrameData() . . . 21
4.10.2.4 getFrameType() const . . . 21
4.10.2.5 getProfileID() . . . 21

4.10.2.6 getSourceEndpoint() . . . 21
4.10.2.7 setClusterID(QByteArray) . . . 21
4.10.2.8 setDestinationEndpoint(uint8_t) . . . 21
4.10.2.9 setFrameData(QByteArray) . . . 21
4.10.2.10 setProfileID(QByteArray) . . . 22
4.10.2.11 setSourceEndpoint(uint8_t) . . . 22
4.11 TransmitStatus Class Reference . . . 22
4.11.1 Constructor & Destructor Documentation . . . 23
4.11.1.1 TransmitStatus() . . . 23
4.11.1.2 ~TransmitStatus() . . . 23
4.11.2 Member Function Documentation . . . 23
4.11.2.1 getDeliveryStatus() . . . 23
4.11.2.2 getDestinationAddress16() . . . 23
4.11.2.3 getDiscoveryStatus() . . . 23
4.11.2.4 getFrameData() . . . 23
4.11.2.5 getFrameID() . . . 23
4.11.2.6 getFrameType() const . . . 23
4.11.2.7 getTransmitRetryCount() . . . 23
4.11.2.8 setDeliveryStatus(uint8_t) . . . 23
4.11.2.9 setDestinationAddress16(QByteArray) . . . 23
4.11.2.10 setDiscoveryStatus(uint8_t) . . . 23
4.11.2.11 setFrameData(QByteArray) . . . 23
4.11.2.12 setFrameID(uint8_t) . . . 23
4.11.2.13 setTransmitRetryCount(uint8_t) . . . 23
4.12 TXRequest Class Reference . . . 24
4.12.1 Constructor & Destructor Documentation . . . 24
4.12.1.1 TXRequest() . . . 24
4.12.1.2 ~TXRequest() . . . 24
4.12.2 Member Function Documentation . . . 25
4.12.2.1 getBroadcastRadius() . . . 25

4.12.2.2 getDestinationAddress16() . . . 25
4.12.2.3 getDestinationAddress64() . . . 25
4.12.2.4 getFrameData() . . . 25
4.12.2.5 getFrameID() . . . 25
4.12.2.6 getFrameType() const . . . 25
4.12.2.7 getTransmitingData() . . . 25
4.12.2.8 getTransmitOptions() . . . 25
4.12.2.9 setBroadcastRadius(uint8_t) . . . 25
4.12.2.10 setDestinationAddress16(QByteArray) . . . 25
4.12.2.11 setDestinationAddress64(QByteArray) . . . 25
4.12.2.12 setFrameData(QByteArray) . . . 25
4.12.2.13 setFrameID(uint8_t) . . . 25
4.12.2.14 setTransmitingData(QByteArray) . . . 25
4.12.2.15 setTransmitOptions(uint8_t) . . . 25
4.13 TXRequestExplicit Class Reference . . . 26
4.13.1 Constructor & Destructor Documentation . . . 26
4.13.1.1 TXRequestExplicit() . . . 26
4.13.2 Member Function Documentation . . . 26
4.13.2.1 getClusterID() . . . 26
4.13.2.2 getDestinationEndpoint() . . . 26
4.13.2.3 getFrameData() . . . 26
4.13.2.4 getFrameType() const . . . 27
4.13.2.5 getProfileID() . . . 27
4.13.2.6 getSourceEndpoint() . . . 27
4.13.2.7 setCLusterID(QByteArray) . . . 27
4.13.2.8 setDestinationEndpoint(uint8_t) . . . 27
4.13.2.9 setFrameData(QByteArray) . . . 27
4.13.2.10 setProfileID(QByteArray) . . . 27
4.13.2.11 setSourceEndpoint(uint8_t) . . . 27
4.14 XBeePacket Class Reference . . . 27

4.14.1 Constructor & Destructor Documentation . . . 28
4.14.1.1 ~XBeePacket() . . . 28
4.14.2 Member Function Documentation . . . 28
4.14.2.1 getFrameData()=0 . . . 28
4.14.2.2 getFrameType() const =0 . . . 28
4.14.2.3 operator int() . . . 28
4.14.2.4 setFrameData(QByteArray)=0 . . . 28
4.14.3 Member Data Documentation . . . 29
4.14.3.1 pATCommand . . . 29
4.14.3.2 pATCommandQueue . . . 29
4.14.3.3 pATCommandRemote . . . 29
4.14.3.4 pATCommandResponse . . . 29
4.14.3.5 pATCommandResponseRemote . . . 29
4.14.3.6 pModemStatus . . . 29
4.14.3.7 pNodeIdentificationIndicator . . . 29
4.14.3.8 pRXIndicator . . . 29
4.14.3.9 pRXIndicatorExplicit . . . 29
4.14.3.10 pTransmitStatus . . . 29
4.14.3.11 pTXRequest . . . 29
4.14.3.12 pTXRequestExplicit . . . 29

5 File Documentation **31**

5.1 src/QXBee/QXBee.h File Reference . . . 31
5.2 src/QXBee/XBeePacket/ATCommand.h File Reference . . . 31
5.3 src/QXBee/XBeePacket/ATCommandQueue.h File Reference . . . 31
5.4 src/QXBee/XBeePacket/ATCommandRemote.h File Reference . . . 31
5.5 src/QXBee/XBeePacket/ATCommandResponse.h File Reference . . . 31
5.6 src/QXBee/XBeePacket/ATCommandResponseRemote.h File Reference . . . 32
5.7 src/QXBee/XBeePacket/ModemStatus.h File Reference . . . 32
5.8 src/QXBee/XBeePacket/NodeIdentificationIndicator.h File Reference . . . 32
5.9 src/QXBee/XBeePacket/RXIndicator.h File Reference . . . 32
5.10 src/QXBee/XBeePacket/RXIndicatorExplicit.h File Reference . . . 32
5.11 src/QXBee/XBeePacket/TransmitStatus.h File Reference . . . 32
5.12 src/QXBee/XBeePacket/TXRequest.h File Reference . . . 32
5.13 src/QXBee/XBeePacket/TXRequestExplicit.h File Reference . . . 33
5.14 src/QXBee/XBeePacket/XBeePacket.h File Reference . . . 33

Index **35**

Chapter 1

Hierarchical Index

1.1 Class Hierarchy

This inheritance list is sorted roughly, but not completely, alphabetically:

QObject
- QXBee . . . 18

XBeePacket . . . 27
- ATCommand . . . 7
  - ATCommandQueue . . . 9
  - ATCommandRemote . . . 10
- ATCommandResponse . . . 11
  - ATCommandResponseRemote . . . 13
- ModemStatus . . . 14
- NodeIdentificationIndicator . . . 15
- RXIndicator . . . 19
  - RXIndicatorExplicit . . . 20
- TransmitStatus . . . 22
- TXRequest . . . 24
  - TXRequestExplicit . . . 26

Chapter 2

Class Index

2.1 Class List

Here are the classes, structs, unions and interfaces with brief descriptions:

ATCommand . . . 7
ATCommandQueue . . . 9
ATCommandRemote . . . 10
ATCommandResponse . . . 11
ATCommandResponseRemote . . . 13
ModemStatus . . . 14
NodeIdentificationIndicator . . . 15
QXBee . . . 18
RXIndicator . . . 19
RXIndicatorExplicit . . . 20
TransmitStatus . . . 22
TXRequest . . . 24
TXRequestExplicit . . . 26
XBeePacket . . . 27

Chapter 3

File Index

3.1 File List

Here is a list of all files with brief descriptions:

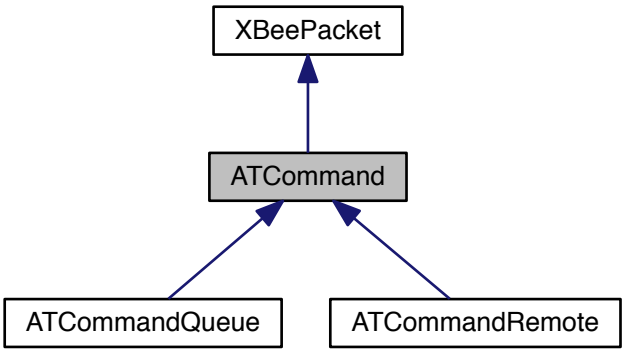
src/QXBee/QXBee.h . . . 31
src/QXBee/XBeePacket/ATCommand.h . . . 31
src/QXBee/XBeePacket/ATCommandQueue.h . . . 31
src/QXBee/XBeePacket/ATCommandRemote.h . . . 31
src/QXBee/XBeePacket/ATCommandResponse.h . . . 31
src/QXBee/XBeePacket/ATCommandResponseRemote.h . . . 32
src/QXBee/XBeePacket/ModemStatus.h . . . 32
src/QXBee/XBeePacket/NodeIdentificationIndicator.h . . . 32
src/QXBee/XBeePacket/RXIndicator.h . . . 32
src/QXBee/XBeePacket/RXIndicatorExplicit.h . . . 32
src/QXBee/XBeePacket/TransmitStatus.h . . . 32
src/QXBee/XBeePacket/TXRequest.h . . . 32
src/QXBee/XBeePacket/TXRequestExplicit.h . . . 33
src/QXBee/XBeePacket/XBeePacket.h . . . 33

Chapter 4

Class Documentation

4.1 ATCommand Class Reference

Inheritance diagram for ATCommand:



Public Member Functions

- ATCommand ()
- virtual uint8_t getFrameType () const
- uint8_t getFrameID ()
- QByteArray getATCommand ()
- QByteArray getATParameter ()
- virtual QByteArray getFrameData ()
- void setFrameID (uint8_t)
- void setATCommand (QString)
- void setATParameter (QByteArray array)
- virtual void setFrameData (QByteArray)
- virtual ~ATCommand ()

Additional Inherited Members

4.1.1 Constructor & Destructor Documentation

4.1.1.1 ATCommand::ATCommand ( )

4.1.1.2 virtual ATCommand::~ATCommand ( ) [virtual]

4.1.2 Member Function Documentation

4.1.2.1 QByteArray ATCommand::getATCommand ( )

4.1.2.2 QByteArray ATCommand::getATParameter ( )

4.1.2.3 virtual QByteArray ATCommand::getFrameData ( ) [virtual]

Implements XBeePacket.

Reimplemented in ATCommandRemote.

4.1.2.4 uint8_t ATCommand::getFrameID ( )

4.1.2.5 virtual uint8_t ATCommand::getFrameType ( ) const [inline], [virtual]

Implements XBeePacket.

Reimplemented in ATCommandRemote, and ATCommandQueue.

4.1.2.6 void ATCommand::setATCommand (QString)

4.1.2.7 void ATCommand::setATParameter (QByteArray *array*)

4.1.2.8 virtual void ATCommand::setFrameData (QByteArray) [virtual]

Implements XBeePacket.

Reimplemented in ATCommandRemote.

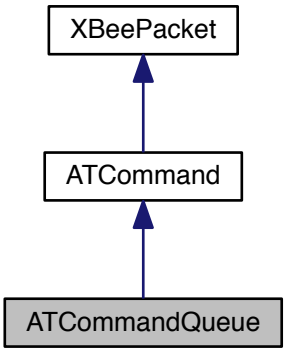
4.1.2.9 void ATCommand::setFrameID (uint8_t)

The documentation for this class was generated from the following file:

- src/QXBee/XBeePacket/ATCommand.h

4.2 ATCommandQueue Class Reference

Inheritance diagram for ATCommandQueue:



Public Member Functions

- virtual uint8_t getFrameType () const

Additional Inherited Members

4.2.1 Member Function Documentation

4.2.1.1 virtual uint8_t ATCommandQueue::getFrameType ( ) const [inline], [virtual]

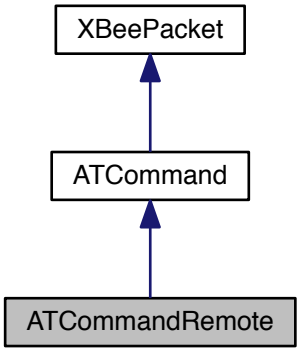
Reimplemented from ATCommand.

The documentation for this class was generated from the following file:

- src/QXBee/XBeePacket/ATCommandQueue.h

4.3 ATCommandRemote Class Reference

Inheritance diagram for ATCommandRemote:



Public Member Functions

- ATCommandRemote ()
- virtual uint8_t getFrameType () const
- QByteArray getDestinationAdress64 ()
- QByteArray getDestinationAdress16 ()
- uint8_t getCommandOptions ()
- QByteArray getFrameData ()
- void setDestinationAddress64 (QByteArray)
- void setDestinationAddress16 (QByteArray)
- void setCommandOptions (uint8_t)
- void setFrameData (QByteArray)

Additional Inherited Members

4.3.1 Constructor & Destructor Documentation

4.3.1.1 ATCommandRemote::ATCommandRemote ( )

4.3.2 Member Function Documentation

4.3.2.1 uint8_t ATCommandRemote::getCommandOptions ( )

4.3.2.2 QByteArray ATCommandRemote::getDestinationAdress16 ( )

4.3.2.3 QByteArray ATCommandRemote::getDestinationAdress64 ( )

4.3.2.4 QByteArray ATCommandRemote::getFrameData ( ) [virtual]

Reimplemented from ATCommand.

4.3.2.5 virtual uint8_t ATCommandRemote::getFrameType ( ) const [inline], [virtual]

Reimplemented from ATCommand.

4.3.2.6 void ATCommandRemote::setCommandOptions (uint8_t)

4.3.2.7 void ATCommandRemote::setDestinationAddress16 (QByteArray)

4.3.2.8 void ATCommandRemote::setDestinationAddress64 (QByteArray)

4.3.2.9 void ATCommandRemote::setFrameData (QByteArray) [virtual]

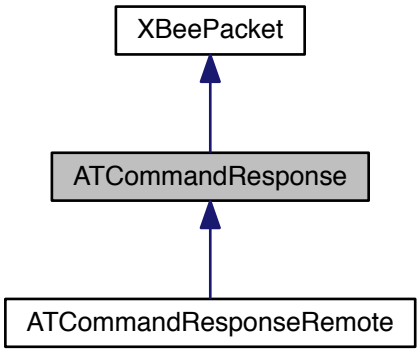
Reimplemented from ATCommand.

The documentation for this class was generated from the following file:

- src/QXBee/XBeePacket/ATCommandRemote.h

4.4 ATCommandResponse Class Reference

Inheritance diagram for ATCommandResponse:



Public Member Functions

- ATCommandResponse ()
- virtual uint8_t getFrameType () const
- uint8_t getFrameID ()
- QString getATCommand ()
- uint8_t getCommandStatus ()
- QByteArray getCommandData ()
- virtual QByteArray getFrameData ()
- virtual void setFrameData (QByteArray)
- virtual ~ATCommandResponse ()

Protected Member Functions

- void setFrameID (uint8_t)
- void setATCommand (QString)
- void setCommandStatus (uint8_t)
- void setCommandData (QByteArray)

Additional Inherited Members

4.4.1 Constructor & Destructor Documentation

4.4.1.1 ATCommandResponse::ATCommandResponse ( )

4.4.1.2 virtual ATCommandResponse::~ATCommandResponse ( ) [virtual]

4.4.2 Member Function Documentation

4.4.2.1 QString ATCommandResponse::getATCommand ( )

4.4.2.2 QByteArray ATCommandResponse::getCommandData ( )

4.4.2.3 uint8_t ATCommandResponse::getCommandStatus ( )

4.4.2.4 virtual QByteArray ATCommandResponse::getFrameData ( ) [virtual]

Implements XBeePacket.

Reimplemented in ATCommandResponseRemote.

4.4.2.5 uint8_t ATCommandResponse::getFrameID ( )

4.4.2.6 virtual uint8_t ATCommandResponse::getFrameType ( ) const [inline], [virtual]

Implements XBeePacket.

Reimplemented in ATCommandResponseRemote.

4.4.2.7 void ATCommandResponse::setATCommand (QString) [protected]

4.4.2.8 void ATCommandResponse::setCommandData (QByteArray) [protected]

4.4.2.9 void ATCommandResponse::setCommandStatus (uint8_t) [protected]

4.4.2.10 virtual void ATCommandResponse::setFrameData (QByteArray) [virtual]

Implements XBeePacket.

Reimplemented in ATCommandResponseRemote.

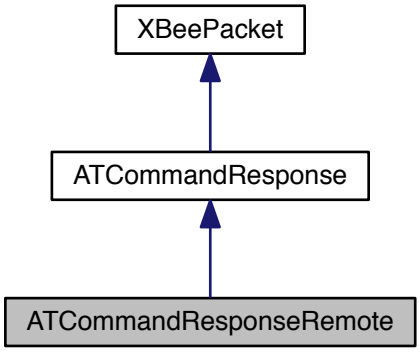
4.4.2.11 void ATCommandResponse::setFrameID (uint8_t) [protected]

The documentation for this class was generated from the following file:

- src/QXBee/XBeePacket/ATCommandResponse.h

4.5 ATCommandResponseRemote Class Reference

Inheritance diagram for ATCommandResponseRemote:



Public Member Functions

- ATCommandResponseRemote ()
- virtual uint8_t getFrameType () const
- QByteArray getSourceAddress64 ()
- QByteArray getSourceAddress16 ()
- QByteArray getFrameData ()
- void setFrameData (QByteArray)

Protected Member Functions

- void setSourceAddress64 (QByteArray)
- void setSourceAddress16 (QByteArray)

Additional Inherited Members

4.5.1 Constructor & Destructor Documentation

4.5.1.1 ATCommandResponseRemote::ATCommandResponseRemote ( )

4.5.2 Member Function Documentation

4.5.2.1 QByteArray ATCommandResponseRemote::getFrameData ( ) [virtual]

Reimplemented from ATCommandResponse.

4.5.2.2 virtual uint8_t ATCommandResponseRemote::getFrameType ( ) const [inline], [virtual]

Reimplemented from ATCommandResponse.

4.5.2.3 QByteArray ATCommandResponseRemote::getSourceAddress16 ( )

4.5.2.4 QByteArray ATCommandResponseRemote::getSourceAddress64 ( )

4.5.2.5 void ATCommandResponseRemote::setFrameData (QByteArray) [virtual]

Reimplemented from ATCommandResponse.

4.5.2.6 void ATCommandResponseRemote::setSourceAddress16 (QByteArray) [protected]

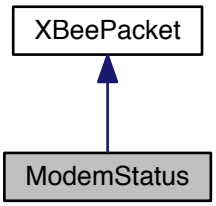
4.5.2.7 void ATCommandResponseRemote::setSourceAddress64 (QByteArray) [protected]

The documentation for this class was generated from the following file:

- src/QXBee/XBeePacket/ATCommandResponseRemote.h

4.6 ModemStatus Class Reference

Inheritance diagram for ModemStatus:



Public Member Functions

- ModemStatus ()
- virtual uint8_t getFrameType () const
- uint8_t getStatus ()
- QByteArray getFrameData ()
- void setFrameData (QByteArray)
- virtual ~ModemStatus ()

Protected Member Functions

- void setStatus (uint8_t)

Additional Inherited Members

4.6.1 Constructor & Destructor Documentation

4.6.1.1 ModemStatus::ModemStatus ( )

4.6.1.2 virtual ModemStatus::~ModemStatus ( ) [virtual]

4.6.2 Member Function Documentation

4.6.2.1 QByteArray ModemStatus::getFrameData ( ) [virtual]

Implements XBeePacket.

4.6.2.2 virtual uint8_t ModemStatus::getFrameType ( ) const [inline], [virtual]

Implements XBeePacket.

4.6.2.3 uint8_t ModemStatus::getStatus ( )

4.6.2.4 void ModemStatus::setFrameData (QByteArray) [virtual]

Implements XBeePacket.

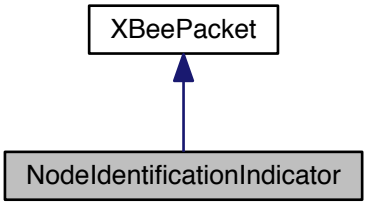
4.6.2.5 void ModemStatus::setStatus (uint8_t) [protected]

The documentation for this class was generated from the following file:

- src/QXBee/XBeePacket/ModemStatus.h

4.7 NodeIdentificationIndicator Class Reference

Inheritance diagram for NodeIdentificationIndicator:



Public Member Functions

- NodeIdentificationIndicator ()
- virtual uint8_t getFrameType () const
- QByteArray getSourceAddress64 ()
- QByteArray getSourceAddress16 ()
- uint8_t getReceiveOptions ()
- QByteArray getRemoteAddress64 ()
- QByteArray getRemoteAddress16 ()
- QString getNIString ()
- QByteArray getParentAddress16 ()
- uint8_t getDeviceType ()
- uint8_t getSourceEvent ()
- QByteArray getProfileID ()
- QByteArray getManufacturerID ()
- QByteArray getDeviceTypeID ()
- QByteArray getRSSI ()
- QByteArray getFrameData ()
- void setFrameData (QByteArray)
- virtual ~NodeIdentificationIndicator ()

Protected Member Functions

- void setSourceAddress64 (QByteArray)
- void setSourceAddress16 (QByteArray)
- void setReceiveOptions (uint8_t)
- void setRemoteAddress64 (QByteArray)
- void setRemoteAddress16 (QByteArray)
- void setNIString (QString)
- void setParentAddress16 (QByteArray)
- void setDeviceType (uint8_t)
- void setSourceEvent (uint8_t)
- void setProfileID (QByteArray)
- void setManufacturerID (QByteArray)
- void setDeviceTypeID (QByteArray)
- void setRSSI (QByteArray)

Additional Inherited Members

4.7.1 Constructor & Destructor Documentation

4.7.1.1 NodeIdentificationIndicator::NodeIdentificationIndicator ( )

4.7.1.2 virtual NodeIdentificationIndicator::~NodeIdentificationIndicator ( ) [virtual]

4.7.2 Member Function Documentation

4.7.2.1 uint8_t NodeIdentificationIndicator::getDeviceType ( )

4.7.2.2 QByteArray NodeIdentificationIndicator::getDeviceTypeID ( )

4.7.2.3 QByteArray NodeIdentificationIndicator::getFrameData ( ) [virtual]

Implements XBeePacket.

4.7.2.4 virtual uint8_t NodeIdentificationIndicator::getFrameType ( ) const [inline], [virtual]

Implements XBeePacket.

4.7.2.5 QByteArray NodeIdentificationIndicator::getManufacturerID ( )

4.7.2.6 QString NodeIdentificationIndicator::getNIString ( )

4.7.2.7 QByteArray NodeIdentificationIndicator::getParentAddress16 ( )

4.7.2.8 QByteArray NodeIdentificationIndicator::getProfileID ( )

4.7.2.9 uint8_t NodeIdentificationIndicator::getReceiveOptions ( )

4.7.2.10 QByteArray NodeIdentificationIndicator::getRemoteAddress16 ( )

4.7.2.11 QByteArray NodeIdentificationIndicator::getRemoteAddress64 ( )

4.7.2.12 QByteArray NodeIdentificationIndicator::getRSSI ( )

4.7.2.13 QByteArray NodeIdentificationIndicator::getSourceAddress16 ( )

4.7.2.14 QByteArray NodeIdentificationIndicator::getSourceAddress64 ( )

4.7.2.15 uint8_t NodeIdentificationIndicator::getSourceEvent ( )

4.7.2.16 void NodeIdentificationIndicator::setDeviceType (uint8_t) [protected]

4.7.2.17 void NodeIdentificationIndicator::setDeviceTypeID (QByteArray) [protected]

4.7.2.18 void NodeIdentificationIndicator::setFrameData (QByteArray) [virtual]

Implements XBeePacket.

4.7.2.19 void NodeIdentificationIndicator::setManufacturerID (QByteArray) [protected]

4.7.2.20 void NodeIdentificationIndicator::setNIString (QString) [protected]

4.7.2.21 void NodeIdentificationIndicator::setParentAddress16 (QByteArray) [protected]

4.7.2.22 void NodeIdentificationIndicator::setProfileID (QByteArray) [protected]

4.7.2.23 void NodeIdentificationIndicator::setReceiveOptions (uint8_t) [protected]

4.7.2.24 void NodeIdentificationIndicator::setRemoteAddress16 (QByteArray) [protected]

4.7.2.25 void NodeIdentificationIndicator::setRemoteAddress64 (QByteArray) [protected]

4.7.2.26 void NodeIdentificationIndicator::setRSSI (QByteArray) [protected]

4.7.2.27 void NodeIdentificationIndicator::setSourceAddress16 (QByteArray) [protected]

4.7.2.28 void NodeIdentificationIndicator::setSourceAddress64 (QByteArray) [protected]

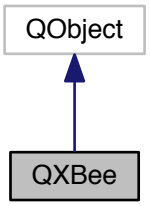
4.7.2.29 void NodeIdentificationIndicator::setSourceEvent (uint8_t) [protected]

The documentation for this class was generated from the following file:

- src/QXBee/XBeePacket/NodeIdentificationIndicator.h

4.8 QXBee Class Reference

Inheritance diagram for QXBee:



Signals

- void dataReceived (XBeePacket ∗)

Public Member Functions

- QXBee (QSerialPort ∗ser)
- void send (XBeePacket ∗request)
- void broadcast (QString data)
- void unicast (QByteArray address, QString data)
- ∼QXBee ()

4.8.1 Constructor & Destructor Documentation

4.8.1.1 QXBee::QXBee (QSerialPort ∗ *ser*)

4.8.1.2 QXBee::∼QXBee ( )

4.8.2 Member Function Documentation

4.8.2.1 void QXBee::broadcast (QString *data*)

4.8.2.2 void QXBee::dataReceived (XBeePacket ∗) [signal]

4.8.2.3 void QXBee::send (XBeePacket ∗ *request*)

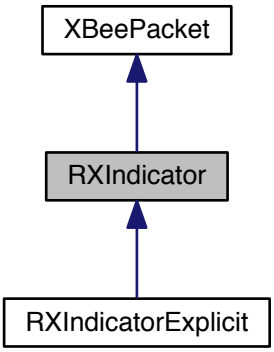
4.8.2.4 void QXBee::unicast (QByteArray *address,* QString *data*)

The documentation for this class was generated from the following file:

- src/QXBee/QXBee.h

4.9 RXIndicator Class Reference

Inheritance diagram for RXIndicator:



Public Member Functions

- RXIndicator ()
- virtual uint8_t getFrameType () const
- QByteArray getSourceAddress64 ()
- QByteArray getSourceAddress16 ()
- uint8_t getReceiveOptions ()
- QByteArray getReceivedData ()
- virtual QByteArray getFrameData ()
- virtual void setFrameData (QByteArray)
- virtual ~RXIndicator ()

Protected Member Functions

- void setSourceAddress64 (QByteArray)
- void setSourceAddress16 (QByteArray)
- void setReceiveOptions (uint8_t)
- void setReceivedData (QByteArray)

Additional Inherited Members

4.9.1 Constructor & Destructor Documentation

4.9.1.1 RXIndicator::RXIndicator ( )

4.9.1.2 virtual RXIndicator::~RXIndicator ( ) [virtual]

4.9.2 Member Function Documentation

4.9.2.1 virtual QByteArray RXIndicator::getFrameData ( ) [virtual]

Implements XBeePacket.

Reimplemented in RXIndicatorExplicit.

4.9.2.2 virtual uint8_t RXIndicator::getFrameType ( ) const [inline], [virtual]

Implements XBeePacket.

Reimplemented in RXIndicatorExplicit.

4.9.2.3 QByteArray RXIndicator::getReceivedData ( )

4.9.2.4 uint8_t RXIndicator::getReceiveOptions ( )

4.9.2.5 QByteArray RXIndicator::getSourceAddress16 ( )

4.9.2.6 QByteArray RXIndicator::getSourceAddress64 ( )

4.9.2.7 virtual void RXIndicator::setFrameData (QByteArray) [virtual]

Implements XBeePacket.

Reimplemented in RXIndicatorExplicit.

4.9.2.8 void RXIndicator::setReceivedData (QByteArray) [protected]

4.9.2.9 void RXIndicator::setReceiveOptions (uint8_t) [protected]

4.9.2.10 void RXIndicator::setSourceAddress16 (QByteArray) [protected]

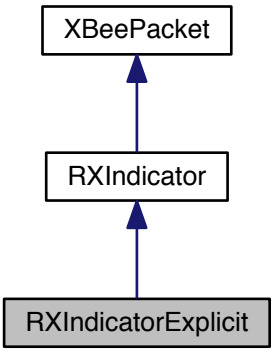
4.9.2.11 void RXIndicator::setSourceAddress64 (QByteArray) [protected]

The documentation for this class was generated from the following file:

- src/QXBee/XBeePacket/RXIndicator.h

4.10 RXIndicatorExplicit Class Reference

Inheritance diagram for RXIndicatorExplicit:



Public Member Functions

- RXIndicatorExplicit ()
- virtual uint8_t getFrameType () const
- uint8_t getSourceEndpoint ()
- uint8_t getDestinationEndpoint ()
- QByteArray getClusterID ()
- QByteArray getProfileID ()
- QByteArray getFrameData ()
- void setFrameData (QByteArray)

Protected Member Functions

- void setSourceEndpoint (uint8_t)
- void setDestinationEndpoint (uint8_t)
- void setClusterID (QByteArray)
- void setProfileID (QByteArray)

Additional Inherited Members

4.10.1 Constructor & Destructor Documentation

4.10.1.1 RXIndicatorExplicit::RXIndicatorExplicit ( )

4.10.2 Member Function Documentation

4.10.2.1 QByteArray RXIndicatorExplicit::getClusterID ( )

4.10.2.2 uint8_t RXIndicatorExplicit::getDestinationEndpoint ( )

4.10.2.3 QByteArray RXIndicatorExplicit::getFrameData ( ) [virtual]

Reimplemented from RXIndicator.

4.10.2.4 virtual uint8_t RXIndicatorExplicit::getFrameType ( ) const [inline], [virtual]

Reimplemented from RXIndicator.

4.10.2.5 QByteArray RXIndicatorExplicit::getProfileID ( )

4.10.2.6 uint8_t RXIndicatorExplicit::getSourceEndpoint ( )

4.10.2.7 void RXIndicatorExplicit::setClusterID (QByteArray) [protected]

4.10.2.8 void RXIndicatorExplicit::setDestinationEndpoint (uint8_t) [protected]

4.10.2.9 void RXIndicatorExplicit::setFrameData (QByteArray) [virtual]

Reimplemented from RXIndicator.

4.10.2.10 void RXIndicatorExplicit::setProfileID (QByteArray) [protected]

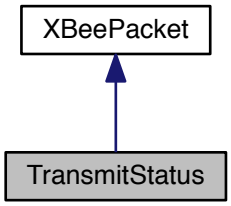
4.10.2.11 void RXIndicatorExplicit::setSourceEndpoint (uint8_t) [protected]

The documentation for this class was generated from the following file:

- src/QXBee/XBeePacket/RXIndicatorExplicit.h

4.11 TransmitStatus Class Reference

Inheritance diagram for TransmitStatus:



Public Member Functions

- TransmitStatus ()
- virtual uint8_t getFrameType () const
- uint8_t getFrameID ()
- QByteArray getDestinationAddress16 ()
- uint8_t getTransmitRetryCount ()
- uint8_t getDeliveryStatus ()
- uint8_t getDiscoveryStatus ()
- QByteArray getFrameData ()
- void setFrameData (QByteArray)
- virtual ~TransmitStatus ()

Protected Member Functions

- void setFrameID (uint8_t)
- void setDestinationAddress16 (QByteArray)
- void setTransmitRetryCount (uint8_t)
- void setDeliveryStatus (uint8_t)
- void setDiscoveryStatus (uint8_t)

Additional Inherited Members

4.11.1 Constructor & Destructor Documentation

4.11.1.1 TransmitStatus::TransmitStatus ( )

4.11.1.2 virtual TransmitStatus::~TransmitStatus ( ) [virtual]

4.11.2 Member Function Documentation

4.11.2.1 uint8_t TransmitStatus::getDeliveryStatus ( )

4.11.2.2 QByteArray TransmitStatus::getDestinationAddress16 ( )

4.11.2.3 uint8_t TransmitStatus::getDiscoveryStatus ( )

4.11.2.4 QByteArray TransmitStatus::getFrameData ( ) [virtual]

Implements XBeePacket.

4.11.2.5 uint8_t TransmitStatus::getFrameID ( )

4.11.2.6 virtual uint8_t TransmitStatus::getFrameType ( ) const [inline], [virtual]

Implements XBeePacket.

4.11.2.7 uint8_t TransmitStatus::getTransmitRetryCount ( )

4.11.2.8 void TransmitStatus::setDeliveryStatus (uint8_t) [protected]

4.11.2.9 void TransmitStatus::setDestinationAddress16 (QByteArray) [protected]

4.11.2.10 void TransmitStatus::setDiscoveryStatus (uint8_t) [protected]

4.11.2.11 void TransmitStatus::setFrameData (QByteArray) [virtual]

Implements XBeePacket.

4.11.2.12 void TransmitStatus::setFrameID (uint8_t) [protected]

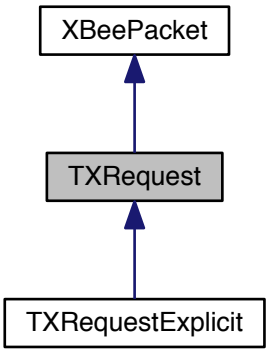
4.11.2.13 void TransmitStatus::setTransmitRetryCount (uint8_t) [protected]

The documentation for this class was generated from the following file:

- src/QXBee/XBeePacket/TransmitStatus.h

4.12 TXRequest Class Reference

Inheritance diagram for TXRequest:



Public Member Functions

- TXRequest ()
- virtual uint8_t getFrameType () const
- uint8_t getFrameID ()
- QByteArray getDestinationAddress64 ()
- QByteArray getDestinationAddress16 ()
- uint8_t getBroadcastRadius ()
- uint8_t getTransmitOptions ()
- QByteArray getTransmitingData ()
- virtual QByteArray getFrameData ()
- void setFrameID (uint8_t)
- void setDestinationAddress64 (QByteArray)
- void setDestinationAddress16 (QByteArray)
- void setBroadcastRadius (uint8_t)
- void setTransmitOptions (uint8_t)
- void setTransmitingData (QByteArray)
- virtual void setFrameData (QByteArray)
- virtual ~TXRequest ()

Additional Inherited Members

4.12.1 Constructor & Destructor Documentation

4.12.1.1 TXRequest::TXRequest ( )

4.12.1.2 virtual TXRequest::~TXRequest ( ) [virtual]

4.12.2 Member Function Documentation

4.12.2.1 uint8_t TXRequest::getBroadcastRadius ( )

4.12.2.2 QByteArray TXRequest::getDestinationAddress16 ( )

4.12.2.3 QByteArray TXRequest::getDestinationAddress64 ( )

4.12.2.4 virtual QByteArray TXRequest::getFrameData ( ) [virtual]

Implements XBeePacket.

Reimplemented in TXRequestExplicit.

4.12.2.5 uint8_t TXRequest::getFrameID ( )

4.12.2.6 virtual uint8_t TXRequest::getFrameType ( ) const [inline], [virtual]

Implements XBeePacket.

Reimplemented in TXRequestExplicit.

4.12.2.7 QByteArray TXRequest::getTransmitingData ( )

4.12.2.8 uint8_t TXRequest::getTransmitOptions ( )

4.12.2.9 void TXRequest::setBroadcastRadius (uint8_t)

4.12.2.10 void TXRequest::setDestinationAddress16 (QByteArray)

4.12.2.11 void TXRequest::setDestinationAddress64 (QByteArray)

4.12.2.12 virtual void TXRequest::setFrameData (QByteArray) [virtual]

Implements XBeePacket.

Reimplemented in TXRequestExplicit.

4.12.2.13 void TXRequest::setFrameID (uint8_t)

4.12.2.14 void TXRequest::setTransmitingData (QByteArray)

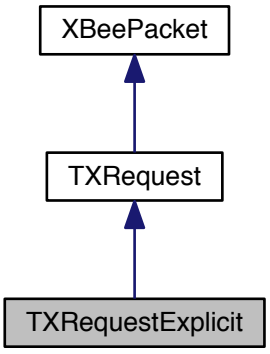
4.12.2.15 void TXRequest::setTransmitOptions (uint8_t)

The documentation for this class was generated from the following file:

- src/QXBee/XBeePacket/TXRequest.h

4.13 TXRequestExplicit Class Reference

Inheritance diagram for TXRequestExplicit:



Public Member Functions

- TXRequestExplicit ()
- virtual uint8_t getFrameType () const
- uint8_t getSourceEndpoint ()
- uint8_t getDestinationEndpoint ()
- QByteArray getClusterID ()
- QByteArray getProfileID ()
- QByteArray getFrameData ()
- void setSourceEndpoint (uint8_t)
- void setDestinationEndpoint (uint8_t)
- void setCLusterID (QByteArray)
- void setProfileID (QByteArray)
- void setFrameData (QByteArray)

Additional Inherited Members

4.13.1 Constructor & Destructor Documentation

4.13.1.1 TXRequestExplicit::TXRequestExplicit ( )

4.13.2 Member Function Documentation

4.13.2.1 QByteArray TXRequestExplicit::getClusterID ( )

4.13.2.2 uint8_t TXRequestExplicit::getDestinationEndpoint ( )

4.13.2.3 QByteArray TXRequestExplicit::getFrameData ( ) [virtual]

Reimplemented from TXRequest.

4.13.2.4 virtual uint8_t TXRequestExplicit::getFrameType ( ) const [inline], [virtual]

Reimplemented from TXRequest.

4.13.2.5 QByteArray TXRequestExplicit::getProfileID ( )

4.13.2.6 uint8_t TXRequestExplicit::getSourceEndpoint ( )

4.13.2.7 void TXRequestExplicit::setCLusterID (QByteArray)

4.13.2.8 void TXRequestExplicit::setDestinationEndpoint (uint8_t)

4.13.2.9 void TXRequestExplicit::setFrameData (QByteArray) [virtual]

Reimplemented from TXRequest.

4.13.2.10 void TXRequestExplicit::setProfileID (QByteArray)

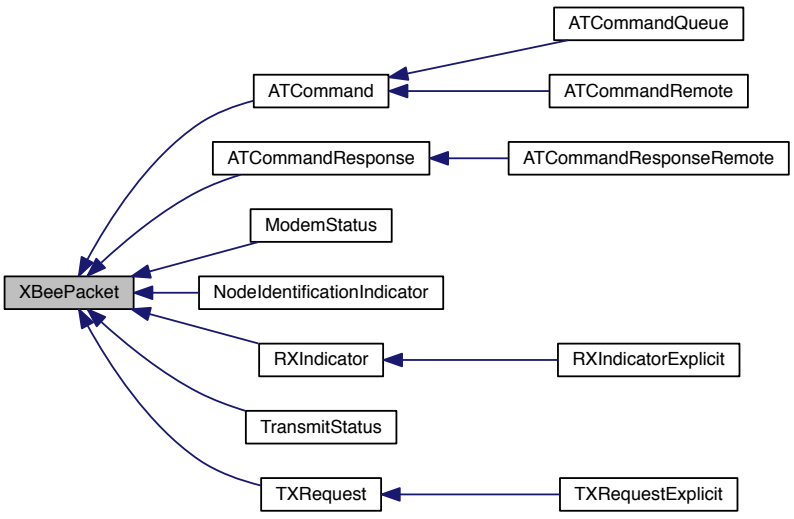
4.13.2.11 void TXRequestExplicit::setSourceEndpoint (uint8_t)

The documentation for this class was generated from the following file:

- src/QXBee/XBeePacket/TXRequestExplicit.h

4.14 XBeePacket Class Reference

Inheritance diagram for XBeePacket:



Public Member Functions

- virtual uint8_t getFrameType () const =0
- virtual QByteArray getFrameData ()=0
- virtual void setFrameData (QByteArray)=0
- virtual ~XBeePacket ()
- virtual operator int ()

Static Public Attributes

- static const uint8_t pATCommand = 0x08
- static const uint8_t pATCommandQueue = 0x09
- static const uint8_t pTXRequest = 0x10
- static const uint8_t pTXRequestExplicit = 0x11
- static const uint8_t pATCommandRemote = 0x17
- static const uint8_t pATCommandResponse = 0x88
- static const uint8_t pModemStatus = 0x8A
- static const uint8_t pTransmitStatus = 0x8B
- static const uint8_t pRXIndicator = 0x90
- static const uint8_t pRXIndicatorExplicit = 0x91
- static const uint8_t pNodeIdentificationIndicator = 0x95
- static const uint8_t pATCommandResponseRemote = 0x97

4.14.1 Constructor & Destructor Documentation

4.14.1.1 virtual XBeePacket::~XBeePacket ( ) [inline], [virtual]

4.14.2 Member Function Documentation

4.14.2.1 virtual QByteArray XBeePacket::getFrameData ( ) [pure virtual]

Implemented in NodeIdentificationIndicator, TransmitStatus, ATCommandResponse, RXIndicator, RXIndicator↩ Explicit, TXRequest, ATCommandResponseRemote, TXRequestExplicit, ATCommand, ATCommandRemote, and ModemStatus.

4.14.2.2 virtual uint8_t XBeePacket::getFrameType ( ) const [pure virtual]

Implemented in NodeIdentificationIndicator, TransmitStatus, ATCommandResponse, RXIndicator, RXIndicator↩ Explicit, ATCommandResponseRemote, TXRequest, ATCommand, ModemStatus, TXRequestExplicit, AT↩ CommandRemote, and ATCommandQueue.

4.14.2.3 virtual XBeePacket::operator int ( ) [inline], [virtual]

4.14.2.4 virtual void XBeePacket::setFrameData (QByteArray) [pure virtual]

Implemented in NodeIdentificationIndicator, TXRequest, TransmitStatus, ATCommandResponse, RXIndicator, R↩ XIndicatorExplicit, TXRequestExplicit, ATCommand, ATCommandRemote, ATCommandResponseRemote, and ModemStatus.

4.14.3 Member Data Documentation

4.14.3.1 const uint8_t XBeePacket::pATCommand = 0x08 [static]

4.14.3.2 const uint8_t XBeePacket::pATCommandQueue = 0x09 [static]

4.14.3.3 const uint8_t XBeePacket::pATCommandRemote = 0x17 [static]

4.14.3.4 const uint8_t XBeePacket::pATCommandResponse = 0x88 [static]

4.14.3.5 const uint8_t XBeePacket::pATCommandResponseRemote = 0x97 [static]

4.14.3.6 const uint8_t XBeePacket::pModemStatus = 0x8A [static]

4.14.3.7 const uint8_t XBeePacket::pNodeIdentificationIndicator = 0x95 [static]

4.14.3.8 const uint8_t XBeePacket::pRXIndicator = 0x90 [static]

4.14.3.9 const uint8_t XBeePacket::pRXIndicatorExplicit = 0x91 [static]

4.14.3.10 const uint8_t XBeePacket::pTransmitStatus = 0x8B [static]

4.14.3.11 const uint8_t XBeePacket::pTXRequest = 0x10 [static]

4.14.3.12 const uint8_t XBeePacket::pTXRequestExplicit = 0x11 [static]

The documentation for this class was generated from the following file:

- src/QXBee/XBeePacket/XBeePacket.h

Chapter 5

File Documentation

5.1 src/QXBee/QXBee.h File Reference

Classes

- class QXBee

5.2 src/QXBee/XBeePacket/ATCommand.h File Reference

Classes

- class ATCommand

5.3 src/QXBee/XBeePacket/ATCommandQueue.h File Reference

Classes

- class ATCommandQueue

5.4 src/QXBee/XBeePacket/ATCommandRemote.h File Reference

Classes

- class ATCommandRemote

5.5 src/QXBee/XBeePacket/ATCommandResponse.h File Reference

Classes

- class ATCommandResponse

5.6 src/QXBee/XBeePacket/ATCommandResponseRemote.h File Reference

Classes

- class ATCommandResponseRemote

5.7 src/QXBee/XBeePacket/ModemStatus.h File Reference

Classes

- class ModemStatus

5.8 src/QXBee/XBeePacket/NodeIdentificationIndicator.h File Reference

Classes

- class NodeIdentificationIndicator

5.9 src/QXBee/XBeePacket/RXIndicator.h File Reference

Classes

- class RXIndicator

5.10 src/QXBee/XBeePacket/RXIndicatorExplicit.h File Reference

Classes

- class RXIndicatorExplicit

5.11 src/QXBee/XBeePacket/TransmitStatus.h File Reference

Classes

- class TransmitStatus

5.12 src/QXBee/XBeePacket/TXRequest.h File Reference

Classes

- class TXRequest

5.13 src/QXBee/XBeePacket/TXRequestExplicit.h File Reference

Classes

- class TXRequestExplicit

5.14 src/QXBee/XBeePacket/XBeePacket.h File Reference

Classes

- class XBeePacket

Index

~ATCommand
ATCommand, 8
~ATCommandResponse
ATCommandResponse, 12
~ModemStatus
ModemStatus, 15
~NodeIdentificationIndicator
NodeIdentificationIndicator, 16
~QXBee
QXBee, 18
~RXIndicator
RXIndicator, 19
~TXRequest
TXRequest, 24
~TransmitStatus
TransmitStatus, 23
~XBeePacket
XBeePacket, 28

ATCommand, 7
~ATCommand, 8
ATCommand, 8
getATCommand, 8
getATParameter, 8
getFrameData, 8
getFrameID, 8
getFrameType, 8
setATCommand, 8
setATParameter, 8
setFrameData, 8
setFrameID, 8
ATCommandQueue, 9
getFrameType, 9
ATCommandRemote, 10
ATCommandRemote, 10
getCommandOptions, 10
getDestinationAdress16, 10
getDestinationAdress64, 10
getFrameData, 10
getFrameType, 10
setCommandOptions, 11
setDestinationAddress16, 11
setDestinationAddress64, 11
setFrameData, 11
ATCommandResponse, 11
~ATCommandResponse, 12
ATCommandResponse, 12
getATCommand, 12
getCommandData, 12
getCommandStatus, 12
getFrameData, 12
getFrameID, 12
getFrameType, 12
setATCommand, 12
setCommandData, 12
setCommandStatus, 12
setFrameData, 12
setFrameID, 12
ATCommandResponseRemote, 13
ATCommandResponseRemote, 13
getFrameData, 13
getFrameType, 13
getSourceAddress16, 14
getSourceAddress64, 14
setFrameData, 14
setSourceAddress16, 14
setSourceAddress64, 14

broadcast
QXBee, 18

dataReceived
QXBee, 18

getATCommand
ATCommand, 8
ATCommandResponse, 12
getATParameter
ATCommand, 8
getBroadcastRadius
TXRequest, 25
getClusterID
RXIndicatorExplicit, 21
TXRequestExplicit, 26
getCommandData
ATCommandResponse, 12
getCommandOptions
ATCommandRemote, 10
getCommandStatus
ATCommandResponse, 12
getDeliveryStatus
TransmitStatus, 23
getDestinationAddress16
TXRequest, 25
TransmitStatus, 23
getDestinationAddress64
TXRequest, 25
getDestinationAdress16
ATCommandRemote, 10
getDestinationAdress64

ATCommandRemote, 10
getDestinationEndpoint
RXIndicatorExplicit, 21
TXRequestExplicit, 26
getDeviceType
NodeIdentificationIndicator, 16
getDeviceTypeID
NodeIdentificationIndicator, 16
getDiscoveryStatus
TransmitStatus, 23
getFrameData
ATCommand, 8
ATCommandRemote, 10
ATCommandResponse, 12
ATCommandResponseRemote, 13
ModemStatus, 15
NodeIdentificationIndicator, 16
RXIndicator, 19
RXIndicatorExplicit, 21
TXRequest, 25
TXRequestExplicit, 26
TransmitStatus, 23
XBeePacket, 28
getFrameID
ATCommand, 8
ATCommandResponse, 12
TXRequest, 25
TransmitStatus, 23
getFrameType
ATCommand, 8
ATCommandQueue, 9
ATCommandRemote, 10
ATCommandResponse, 12
ATCommandResponseRemote, 13
ModemStatus, 15
NodeIdentificationIndicator, 16
RXIndicator, 19
RXIndicatorExplicit, 21
TXRequest, 25
TXRequestExplicit, 26
TransmitStatus, 23
XBeePacket, 28
getManufacturerID
NodeIdentificationIndicator, 17
getNIString
NodeIdentificationIndicator, 17
getParentAddress16
NodeIdentificationIndicator, 17
getProfileID
NodeIdentificationIndicator, 17
RXIndicatorExplicit, 21
TXRequestExplicit, 27
getRSSI
NodeIdentificationIndicator, 17
getReceiveOptions
NodeIdentificationIndicator, 17
RXIndicator, 20
getReceivedData
RXIndicator, 20
getRemoteAddress16
NodeIdentificationIndicator, 17
getRemoteAddress64
NodeIdentificationIndicator, 17
getSourceAddress16
ATCommandResponseRemote, 14
NodeIdentificationIndicator, 17
RXIndicator, 20
getSourceAddress64
ATCommandResponseRemote, 14
NodeIdentificationIndicator, 17
RXIndicator, 20
getSourceEndpoint
RXIndicatorExplicit, 21
TXRequestExplicit, 27
getSourceEvent
NodeIdentificationIndicator, 17
getStatus
ModemStatus, 15
getTransmitOptions
TXRequest, 25
getTransmitRetryCount
TransmitStatus, 23
getTransmitingData
TXRequest, 25

ModemStatus, 14
∼ModemStatus, 15
getFrameData, 15
getFrameType, 15
getStatus, 15
ModemStatus, 15
setFrameData, 15
setStatus, 15

NodeIdentificationIndicator, 15
∼NodeIdentificationIndicator, 16
getDeviceType, 16
getDeviceTypeID, 16
getFrameData, 16
getFrameType, 16
getManufacturerID, 17
getNIString, 17
getParentAddress16, 17
getProfileID, 17
getRSSI, 17
getReceiveOptions, 17
getRemoteAddress16, 17
getRemoteAddress64, 17
getSourceAddress16, 17
getSourceAddress64, 17
getSourceEvent, 17
NodeIdentificationIndicator, 16
setDeviceType, 17
setDeviceTypeID, 17
setFrameData, 17
setManufacturerID, 17
setNIString, 17

setParentAddress16, 17
setProfileID, 17
setRSSI, 17
setReceiveOptions, 17
setRemoteAddress16, 17
setRemoteAddress64, 17
setSourceAddress16, 17
setSourceAddress64, 17
setSourceEvent, 17

operator int
XBeePacket, 28

pATCommand
XBeePacket, 29
pATCommandQueue
XBeePacket, 29
pATCommandRemote
XBeePacket, 29
pATCommandResponse
XBeePacket, 29
pATCommandResponseRemote
XBeePacket, 29
pModemStatus
XBeePacket, 29
pNodeIdentificationIndicator
XBeePacket, 29
pRXIndicator
XBeePacket, 29
pRXIndicatorExplicit
XBeePacket, 29
pTXRequest
XBeePacket, 29
pTXRequestExplicit
XBeePacket, 29
pTransmitStatus
XBeePacket, 29

QXBee, 18
~QXBee, 18
broadcast, 18
dataReceived, 18
QXBee, 18
send, 18
unicast, 18

RXIndicator, 19
~RXIndicator, 19
getFrameData, 19
getFrameType, 19
getReceiveOptions, 20
getReceivedData, 20
getSourceAddress16, 20
getSourceAddress64, 20
RXIndicator, 19
setFrameData, 20
setReceiveOptions, 20
setReceivedData, 20
setSourceAddress16, 20
setSourceAddress64, 20
RXIndicatorExplicit, 20
getClusterID, 21
getDestinationEndpoint, 21
getFrameData, 21
getFrameType, 21
getProfileID, 21
getSourceEndpoint, 21
RXIndicatorExplicit, 21
setClusterID, 21
setDestinationEndpoint, 21
setFrameData, 21
setProfileID, 21
setSourceEndpoint, 22

send
QXBee, 18
setATCommand
ATCommand, 8
ATCommandResponse, 12
setATParameter
ATCommand, 8
setBroadcastRadius
TXRequest, 25
setCLusterID
TXRequestExplicit, 27
setClusterID
RXIndicatorExplicit, 21
setCommandData
ATCommandResponse, 12
setCommandOptions
ATCommandRemote, 11
setCommandStatus
ATCommandResponse, 12
setDeliveryStatus
TransmitStatus, 23
setDestinationAddress16
ATCommandRemote, 11
TXRequest, 25
TransmitStatus, 23
setDestinationAddress64
ATCommandRemote, 11
TXRequest, 25
setDestinationEndpoint
RXIndicatorExplicit, 21
TXRequestExplicit, 27
setDeviceType
NodeIdentificationIndicator, 17
setDeviceTypeID
NodeIdentificationIndicator, 17
setDiscoveryStatus
TransmitStatus, 23
setFrameData
ATCommand, 8
ATCommandRemote, 11
ATCommandResponse, 12
ATCommandResponseRemote, 14
ModemStatus, 15
NodeIdentificationIndicator, 17

RXIndicator, 20
RXIndicatorExplicit, 21
TXRequest, 25
TXRequestExplicit, 27
TransmitStatus, 23
XBeePacket, 28
setFrameID
ATCommand, 8
ATCommandResponse, 12
TXRequest, 25
TransmitStatus, 23
setManufacturerID
NodeIdentificationIndicator, 17
setNIString
NodeIdentificationIndicator, 17
setParentAddress16
NodeIdentificationIndicator, 17
setProfileID
NodeIdentificationIndicator, 17
RXIndicatorExplicit, 21
TXRequestExplicit, 27
setRSSI
NodeIdentificationIndicator, 17
setReceiveOptions
NodeIdentificationIndicator, 17
RXIndicator, 20
setReceivedData
RXIndicator, 20
setRemoteAddress16
NodeIdentificationIndicator, 17
setRemoteAddress64
NodeIdentificationIndicator, 17
setSourceAddress16
ATCommandResponseRemote, 14
NodeIdentificationIndicator, 17
RXIndicator, 20
setSourceAddress64
ATCommandResponseRemote, 14
NodeIdentificationIndicator, 17
RXIndicator, 20
setSourceEndpoint
RXIndicatorExplicit, 22
TXRequestExplicit, 27
setSourceEvent
NodeIdentificationIndicator, 17
setStatus
ModemStatus, 15
setTransmitOptions
TXRequest, 25
setTransmitRetryCount
TransmitStatus, 23
setTransmitingData
TXRequest, 25
src/QXBee/QXBee.h, 31
src/QXBee/XBeePacket/ATCommand.h, 31
src/QXBee/XBeePacket/ATCommandQueue.h, 31
src/QXBee/XBeePacket/ATCommandRemote.h, 31
src/QXBee/XBeePacket/ATCommandResponse.h, 31
src/QXBee/XBeePacket/ATCommandResponse↩
Remote.h, 32
src/QXBee/XBeePacket/ModemStatus.h, 32
src/QXBee/XBeePacket/NodeIdentificationIndicator.h,
32
src/QXBee/XBeePacket/RXIndicator.h, 32
src/QXBee/XBeePacket/RXIndicatorExplicit.h, 32
src/QXBee/XBeePacket/TXRequest.h, 32
src/QXBee/XBeePacket/TXRequestExplicit.h, 33
src/QXBee/XBeePacket/TransmitStatus.h, 32
src/QXBee/XBeePacket/XBeePacket.h, 33

TXRequest, 24
∼TXRequest, 24
getBroadcastRadius, 25
getDestinationAddress16, 25
getDestinationAddress64, 25
getFrameData, 25
getFrameID, 25
getFrameType, 25
getTransmitOptions, 25
getTransmitingData, 25
setBroadcastRadius, 25
setDestinationAddress16, 25
setDestinationAddress64, 25
setFrameData, 25
setFrameID, 25
setTransmitOptions, 25
setTransmitingData, 25
TXRequest, 24
TXRequestExplicit, 26
getClusterID, 26
getDestinationEndpoint, 26
getFrameData, 26
getFrameType, 26
getProfileID, 27
getSourceEndpoint, 27
setCLusterID, 27
setDestinationEndpoint, 27
setFrameData, 27
setProfileID, 27
setSourceEndpoint, 27
TXRequestExplicit, 26
TransmitStatus, 22
∼TransmitStatus, 23
getDeliveryStatus, 23
getDestinationAddress16, 23
getDiscoveryStatus, 23
getFrameData, 23
getFrameID, 23
getFrameType, 23
getTransmitRetryCount, 23
setDeliveryStatus, 23
setDestinationAddress16, 23
setDiscoveryStatus, 23
setFrameData, 23
setFrameID, 23
setTransmitRetryCount, 23
TransmitStatus, 23

unicast
QXBee, 18

XBeePacket, 27
~XBeePacket, 28
getFrameData, 28
getFrameType, 28
operator int, 28
pATCommand, 29
pATCommandQueue, 29
pATCommandRemote, 29
pATCommandResponse, 29
pATCommandResponseRemote, 29
pModemStatus, 29
pNodeIdentificationIndicator, 29
pRXIndicator, 29
pRXIndicatorExplicit, 29
pTXRequest, 29
pTXRequestExplicit, 29
pTransmitStatus, 29
setFrameData, 28