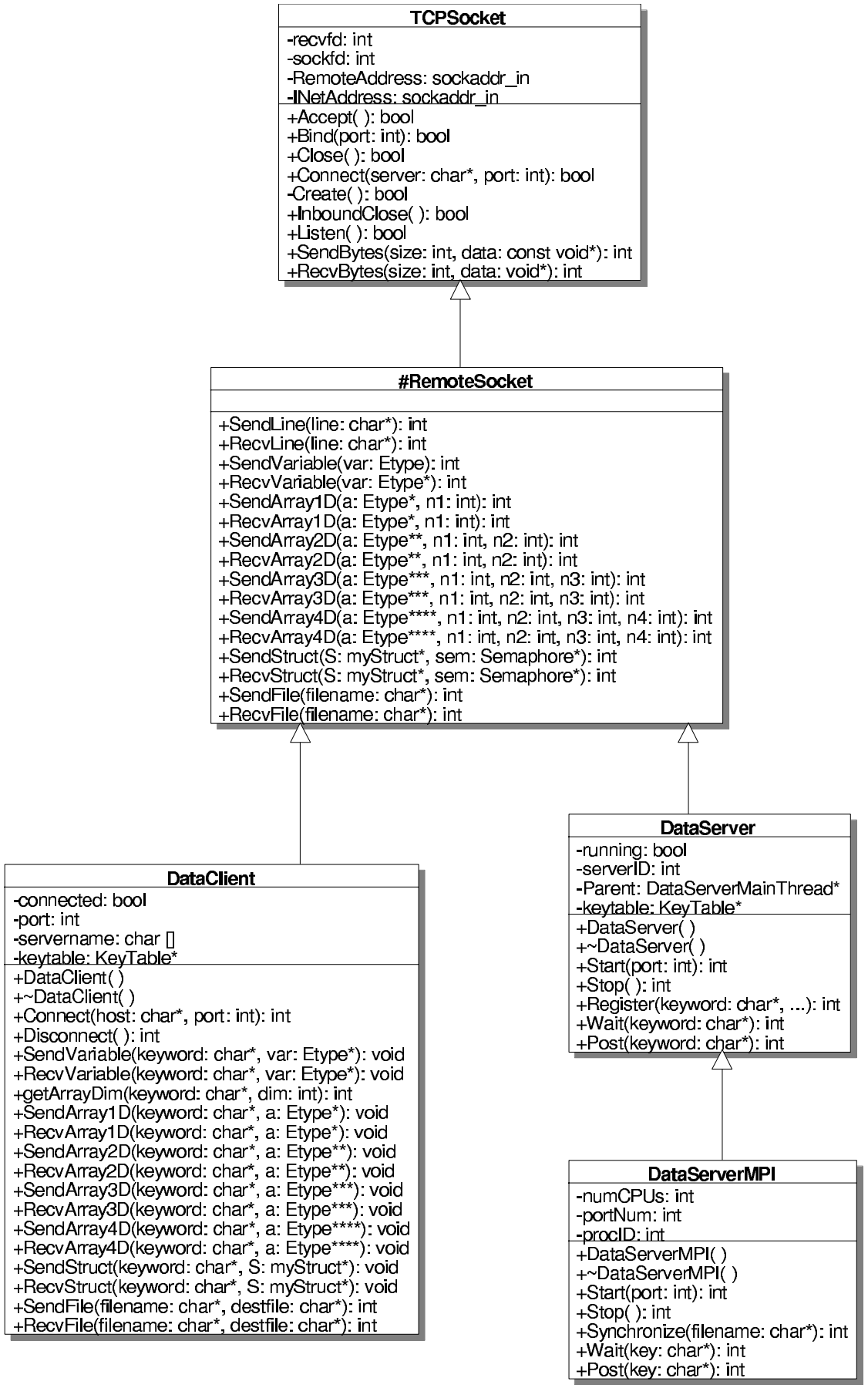
TCPSocket
-recvfd: int
-sockfd: int
-RemoteAddress: sockaddr_in
-INetAddress: sockaddr_in
+Accept( ): bool
+Bind(port: int): bool
+Close( ): bool
+Connect(server: char*, port: int): bool
-Create( ): bool
+InboundClose( ): bool
+Listen( ): bool
+SendBytes(size: int, data: const void*): int
+RecvBytes(size: int, data: void*): int
#RemoteSocket
+SendLine(line: char*): int
+RecvLine(line: char*): int
+SendVariable(var: Etype): int
+RecvVariable(var: Etype*): int
+SendArray1D(a: Etype*, n1: int): int
+RecvArray1D(a: Etype*, n1: int): int
+SendArray2D(a: Etype**, n1: int, n2: int): int
+RecvArray2D(a: Etype**, n1: int, n2: int): int
+SendArray3D(a: Etype***, n1: int, n2: int, n3: int): int
+RecvArray3D(a: Etype***, n1: int, n2: int, n3: int): int
+SendArray4D(a: Etype****, n1: int, n2: int, n3: int, n4: int): int
+RecvArray4D(a: Etype****, n1: int, n2: int, n3: int, n4: int): int
+SendStruct(S: myStruct*, sem: Semaphore*): int
+RecvStruct(S: myStruct*, sem: Semaphore*): int
+SendFile(filename: char*): int
+RecvFile(filename: char*): int
DataClient
-connected: bool
-port: int
-servername: char []
-keytable: KeyTable*
+DataClient( )
+~DataClient( )
+Connect(host: char*, port: int): int
+Disconnect( ): int
+SendVariable(keyword: char*, var: Etype*): void
+RecvVariable(keyword: char*, var: Etype*): void
+getArrayDim(keyword: char*, dim: int): int
+SendArray1D(keyword: char*, a: Etype*): void
+RecvArray1D(keyword: char*, a: Etype*): void
+SendArray2D(keyword: char*, a: Etype**): void
+RecvArray2D(keyword: char*, a: Etype**): void
+SendArray3D(keyword: char*, a: Etype***): void
+RecvArray3D(keyword: char*, a: Etype***): void
+SendArray4D(keyword: char*, a: Etype****): void
+RecvArray4D(keyword: char*, a: Etype****): void
+SendStruct(keyword: char*, S: myStruct*): void
+RecvStruct(keyword: char*, S: myStruct*): void
+SendFile(filename: char*, destfile: char*): int
+RecvFile(filename: char*, destfile: char*): int
DataServer
-running: bool
-serverID: int
-Parent: DataServerMainThread*
-keytable: KeyTable*
+DataServer( )
+~DataServer( )
+Start(port: int): int
+Stop( ): int
+Register(keyword: char*, ...): int
+Wait(keyword: char*): int
+Post(keyword: char*): int
DataServerMPI
-numCPUs: int
-portNum: int
-procID: int
+DataServerMPI( )
+~DataServerMPI( )
+Start(port: int): int
+Stop( ): int
+Synchronize(filename: char*): int
+Wait(key: char*): int
+Post(key: char*): int