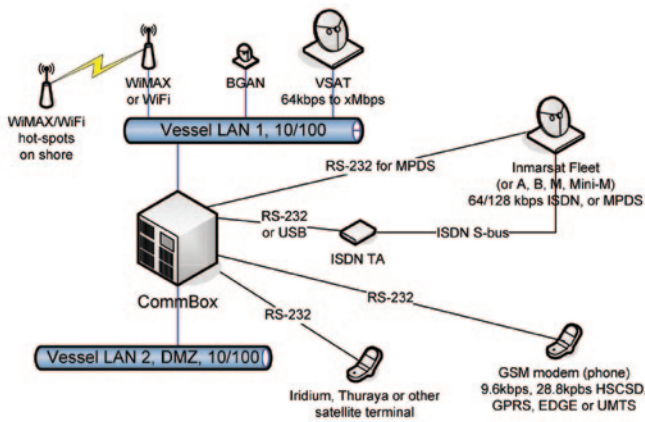


CommBox technical specifications



Configuration & Management

- Centralized management of fleet from office
- Easy and centralized backup of all the vessels
- Dashboard with configurable information for best practise
- Full control over in and out going files and emails
- All the configuration is done via a standard web browser
- Automatic centralized backup of vessel configuration
- Built-in SNMP, to use existing network monitor tools
- SOAP interface
- Automatic warnings based on events

Least Cost Routing

- Continuously monitored
- Utilizes all connected carriers
- Based on speed, cost, overhead, availability and type
- Resume on any carrier after a break
- Automatic change of all rule sets and policies when switching to another carrier

QuickMail

- Standard POP3/SMTP and IMAP with encryption
- Web mail based on IMAP and external POP3
- Mail restrictions on users, domains, sizes etc
- Split billing on both incoming and outgoing emails
- SPAM and virus filter
- Synchronizing corporate mail address book for web mail
- Advanced multi compression to minimize transfer size
- Configurable filter and conversion of attachments
- Automatic notification to user, when email is oversized
- Configurable acknowledge, when file is delivered

QuickFile

- Time based synchronization
- Pre- and after-scripts
- One to many transfers, for example antivirus updates
- File to email, as attachments
- Differential synchronization on binary level
- File selection based on multiple masks and sublevels
- Supported transfer protocols are SMB/CIFS/FTP and NFS
- Customized user notification, to notify file delivery

Data transmission surveillance

- Pre-payment of email, files and IP traffic
- Pre-payment managed on groups and user levels
- Limits for total call duration during a connection
- Limits for total number of calls during a day
- Limits for mail and router are configured separately

HUB clustering

- Hot failover with load balancing option
- Round robin modem receive
- HUB failover for emergency email transport

Router & Firewall

- Full IP routing, over all connected devices
- TCP/IP compression and encryption
- Easy filter setup based on services
- Standard QoS configurable to IP address/port/range
- Intrusion detection and prevention
- Static routing
- VLAN

VPN

- Standard based VPN tunnelling protocols
- IPSEC, SSH, Open VPN, PPTP, encrypted PPP
- Initiator and terminator

User Management and Authorization

- Locally or centrally created users
- LDAP/AD/SMB support
- Flexible group based restrictions

Network server services

- DHCP server
- Local DNS server with cache
- Time synchronizing server for local clients
- SMB / CIFS support for local storage

Logs and reports

- Extensive logging of all events
- Automatic log transfers to office
- Used as basis for the advanced fleet management

CommBox editions

- CommBox Office (for the office)
- CommBox Mail (for the ships)
- CommBox Mail & Router (for the ships)
- CommBox QuickWeb (for optimized web browsing)
- CommBox Complete (all functionality in one unit)

Modules

- QuickWeb
- QuickHA
- QuickBilling
- QuickCrew

Antivirus and SPAM filter

- Both on the hub and vessel units
- Automatically updated every hour on the hub



Technical Specifications for QuickBlue40

Ethernet: 2x 10/100 Base-TX RJ-45 connector, Auto Sense or fixed, max 100 meter
Storage: 1x Type II Compact Flash slot, and optional 2.5" Slim Hard Disk for cache
Serial ports: 4x RS-232, max 230Kbit. USB ports: 2x USB 2.0
System Control: power on/off switch, reset button
LED indicators: power LED, hard disk active LED
Anti-vibration: up to 5g rms (5-500Hz) and anti-shock: up to 100g
Operating temperature: -15°C to 60°C
Operating Humidity: 5 to 95% @ 40°C, non-condensing
Power: DC 9-30V or AC 100-240VAC @ 50-60Hz, typical consumption: 15W
Mounting: wall-mount (default), DIN rail
Equipment size: 212mm x 64mm x 107mm (WxHxD)
Net weight: 2.2kg



Technical Specifications for QuickHUB10

Ethernet: 2x 10/100/1000 Base-TX RJ-45 connector, auto sense or fixed
Hard Disk Storage: 1x 74GB default installed and 1x DVD reader
Serial ports: 2x RS-232, max 230Kbit. USB: 4x USB 2.0 (2 in front)
System Control: power on/off switch, reset button
LED indicators: power LED, hard disk active LED
 RAID level 1 as a option
 Redundant power as a option
Operating temperature: 0 to 50°C
Operating Humidity: 5 to 95%@40°C, non-condensing
Power: AC 100-240VAC@50-60Hz, typical consumption: 150W
Mounting: 19" rack mount (and rails included)
Equipment size: 482mm x 133mm x 660mm (WxHxD)
Net weight: 20kg



Technical Specifications for QuickRack20

Ethernet: 2x 10/100 and 6x 10/100/1000 Base-TX RJ-45 connector, auto sense or fixed
Storage: 1x Type II Compact Flash, and 3.5" hard disk
Serial ports: 2x RS-232, max 230Kbit, USB: 2x USB 2.0
System Control: power on/off switch, reset button
LED indicators: power LED, hard disk active LED
Anti-vibration: up to 1.5g rms (5-500Hz) and anti-shock: up to 20g
Operating temperature: -15°C to 60°C
Operating Humidity: 10 to 80% @ 40°C, non-condensing
Power: AC 100-240VAC @ 50-60Hz, typical consumption: 50W
Mounting: 19" rack mount
Equipment size: 431mm x 44mm x 380mm (WxHxD)
Net weight: 6.4kg



Technical Specifications for QuickHUB20

Ethernet: 2x 10/100/1000 Base-TX RJ-45 connector, auto sense or fixed
Hard Disk Storage: 2x 74GB RAID level 1 default installed and 1x DVD reader
Serial ports: 2x RS-232, max 230Kbit. USB: 4x USB 2.0 (2 in front)
System Control: power on/off switch, reset button
LED indicators: power LED, hard disk active LED
 Redundant power as a option
Operating temperature: 0 to 50°C
Operating Humidity: 5 to 95%@40°C, non-condensing
Power: AC 100-240VAC@50-60Hz, typical consumption: 150W
Mounting: 19" rack mount (and rails included)
Equipment size: 482mm x 133mm x 660mm (WxHxD)
Net weight: 20kg