

# AEROCOMM Wireless Modules



## 900MHZ / 2.4 GHZ CONNEX LINK™

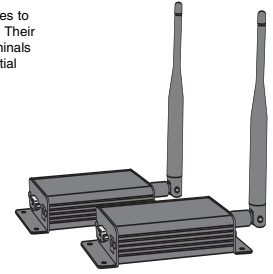
Parameter	CL4490-1000	CL4790-1000	CL4424-100
Network Architecture	Server/Client	True Peer-to-Peer	Server/Client
Standard Interface	RS232 (DB9 male)	RS232 (DB9 male)	RS232 (DB9 male)
Frequency Band	902-928 MHz	902-928 MHz	2.402-2.478 GHz
Modulation	FHSS FSK	FHSS FSK	FHSS FSK
Serial Interface Data Rate	Up to 115.2 Kbps	76.8 Kbps Fixed	Up to 288 Kbps
Output Power	1000mW variable	1000mW variable	100mW fixed
Input Voltage	7VDC to 18VDC	7VDC to 18VDC	7VDC to 18VDC
Power Draw (@ 12Vdc)	400mATX, 40mARX	400mATX, 40mARX	125mATX, 80mARX
Channels	Up to 32	Up to 32	64 in U.S., 32 in Europe
Security	1-byte system ID, DES	1-byte system ID, DES	1-byte system ID
Sensitivity	-99 dB @ full RF data rate	-100 dB @ full RF data rate	-90 dB @ full RF data rate
Range (line-of-sight)	Up to 20 miles (32 km)	Up to 20 miles (32 km)	Up to 2 miles (3.2 km)
Temperature	-40° to +80°C	-40° to +80°C	-40° to +80°C
Humidity (non-condensing)	10% to 90%	10% to 90%	10% to 90%
Dimensions	4.75 x 2.75 x 1.17 inches (121 x 70 x 30 mm)	4.75 x 2.75 x 1.17 inches (121 x 70 x 30 mm)	4.75 x 2.75 x 1.17 inches (121 x 70 x 30 mm)
Antenna connector	Dipole RPSMA jack	Dipole RPSMA jack	Dipole RPSMA jack

ConnexLink stand-alone transceivers can be set up in minutes to virtually cut the cables between RS232 or RS485\* devices. Their flexibility and price allow users to quickly upgrade wired terminals to cordless operation in industrial, commercial, even residential applications.

\* RS485 versions available upon request.

### ConnexLink Highlights:

- Durable industrial-grade enclosure
- Transmits around corners, through walls
- Reliable communication up to 288 Kbps
- Point-to-point & point-to-multipoint setups
- Quickly replace serial cable in both old and new equipment
- Move links from machine to machine without costly rewiring
- CL4790-1000 can be used for True Peer to Peer Protocol



For quantities greater than listed, call for quote.

MOUSER STOCK NO.	AeroComm Part No.	Description	Price Each
<b>900 MHz Models - 1000mW- Server/Client Protocol</b>			
814-CL4490-232-C	CL4490-1000-232	Client Only Unit Kit includes Transceiver (Client Config.), RS-232 cable, Antenna, Power Supply and Software (Requires a Server Unit)	110.00
814-CL4490-232-SP	CL4490-1000-232-SP	Starter Pack includes both a Server and Client Unit, RS-232 cables, Antennas, Power Supplies and Software	225.00
<b>900 MHz Models - 1000mW- Peer-to-Peer Protocol</b>			
814-CL4790-232	CL4790-1000-232	Single Unit Kit (Peer to Peer Protocol) includes Transceiver, RS-232 cable, Antenna, Power Supply and Software	110.00
814-CL4790-232-SP	CL4790-1000-232-SP	Starter Pack (Peer to Peer Protocol) includes Two Transceiver Units, RS-232 cables, Antennas, Power Supplies and Software	225.00
<b>2.4 GHz Models - 100mW- Server/Client Protocol</b>			
814-CL4424-232-C	CL4424-100-232	Client Only Unit Kit includes Transceiver (Client Config.), RS-232 cable, Antenna, Power Supply and Software (Requires a Server Unit)	184.00
814-CL4424-232-SP	CL4424-100-232-SP	Starter Pack includes both a Server and Client Unit, RS-232 cables, Antennas, Power Supplies and Software	368.00
<b>Connex Link™ Accessories</b>			
814-2200-00076	2200-00076	CL4424-100-232 PC Board only RS-232 with DB-9 (No Package)	140.00
814-2200-00122	2200-00122	CL4490-1000-232 PC Board only RS-232 with DB-9 (No Package)	100.00
814-1300-00032	1300-00032	Null-Modem Cable (replaces standard cable if connecting AeroComm units to DCE devices)	14.00
814-0600-00031	0600-00031	5dBi antenna with 6" flying lead, 900MHz, Nearson S151	30.00

## 900MHZ FHSS CONNEXNET™

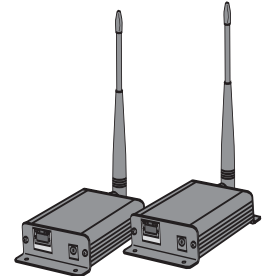
Parameter	CN4790-1000	CN4490-1000
Architecture	Peer-to-Peer	Server/Client
Network Interface Standard	IEEE 802.3	IEEE 802.3
Physical Layer	10/100BaseT	10/100BaseT
Mode	Half-duplex and full-duplex	Half-duplex and full-duplex
Interface Connector	RJ-45	RJ-45
Frequency Band	902-928 MHz	902-928 MHz
Modulation	FHSS FSK	FHSS FSK
Serial Interface Data Rate	Up to 115.2 Kbps	Up to 115.2 Kbps
Output Power	1000mW variable	1000mW variable
Input Power	7VDC to 18VDC	7VDC to 18VDC
Power Draw (@ 12Vdc)	400mA TX, 40mA RX	400mA TX, 40mA RX
Power Supply	AC transformer	AC transformer
Channels	Up to 32	Up to 32
Security	1-byte system ID, DES	1-byte system ID, DES
Sensitivity	-99 dB @ full RF data rate	-99 dB @ full RF data rate
Range (line-of-sight)	Up to 20 miles (32 km)	Up to 20 miles (32 km)
Temperature	-40° to +80°C	-40° to +80°C
Humidity (non-condensing)	10% to 90%	10% to 90%
Dimensions	4.75 x 2.75 x 1.17 in. (121 x 70 x 30 mm)	4.75 x 2.75 x 1.17 in. (121 x 70 x 30 mm)
Weight	< 6 oz (< 170 g)	< 6 oz (< 170 g)
Antenna Connector	Dipole RPSMA jack	Dipole RPSMA jack

ConnexNet provides a complete hardware and software solution for adding wireless network connectivity to serial-based applications. The transceiver serves as a conduit between the user and multiple destination devices via a local network or Internet connection. It integrates a fully developed TCP/IP network stack and OS using a variety of network protocols to make distant networking both easy and reliable.

Each unit is small and easily portable for use in mobile and temporary settings as well as for fixed installations. ConnexNet software enables custom configurations based on unique application requirements, and simplifies installation and setup. The network settings can be configured remotely over a network (password protected).

### ConnexNet Highlights:

- Wireless LAN service supporting Ethernet interface
- Comprehensive networking protocols
- Equipped with a CPU, real-time OS , TCP/IP stack
- Provides control from virtually anywhere via the Internet
- Wireless serial (RS232) to Ethernet bridge



Function	Ethernet Protocols	
	Protocols	Protocols
Network Communication	ARP, UDP, TCP, ICMP, TelNet, TFTP, AutoIP, DHCP, HTTP, SNMP	TCP, UDP, PPP, TelNet
Connections to Serial Port		TFTP
Firmware Update		IP
Addressing, Routing, Data Block		

For quantities of 10 and up, call for quote.

MOUSER STOCK NO.	AeroComm Part No.	Description	Price Each
<b>Server/Client Protocol</b>			
814-CN4490-1000	CN4490-1000	ConnexNet Ethernet Transceiver for (server/client protocol) - includes Antenna and Power Supply*	212.00
814-CN4490-232-SP	CN4490-1000-232-SP	Starter Pack - includes one ConnexNet and one ConnexLink RS232 serial unit CN4490-1000-232-SP	325.00
<b>Peer-to-Peer Protocol</b>			
814-CN4790-1000	CN4790-1000	Ethernet Transceiver for (peer- to-peer protocol) - includes Antenna and Power Supply*	212.00
814-CN4790-232-SP	CN4790-1000-232-SP	Starter Pack - includes one ConnexNet and one ConnexLink RS232 serial unit CN4490-1000-232-SP	325.00

\* Requires a ConnexLink RS232 to make a link.

## 900MHZ ACE INDUSTRIAL WIRELESS DATA MODEMS

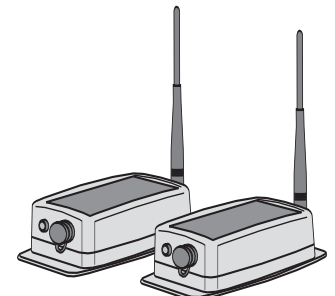
Parameter	ACE6490 Model	ACE6790 Model
Network Architecture	Server/Client	Peer-to-Peer
Standard Interface	RS232	RS232
Frequency, Modulation	902-928 MHz FHSS FSK	902-928 MHz FHSS FSK
Serial Interface Data Rate	Up to 115.2 Kbps	Up to 115.2 Kbps
Output Power	1000mW variable	1000mW variable
Input Power	7Vdc to 26Vdc	7Vdc to 26Vdc
Power Consumption	400mATX, 40mARX	400mATX, 40mARX
Connection	16-pin connector	16-pin connector
Channels	Up to 32	Up to 32
Security	1-byte system ID, DES	1-byte system ID, DES
Sensitivity	-99 dB @ full RF data rate	-99 dB @ full RF data rate
Range (line of sight)	Up to 20 miles (32 km) w/ high-gain antenna	Up to 20 miles (32 km) w/ high-gain antenna
Temperature	-40° to +80°C	-40° to +80°C
Humidity (non-condensing)	10% to 90%	10% to 90%
Dimensions	6.87 x 3.57 x 2.05 inches (175 x 91 x 52 mm)	6.87 x 3.57 x 2.05 inches (175 x 91 x 52 mm)
Antenna connector	Dipole RPSMA jack	Dipole RPSMA jack

AeroComm's ACE RF data modems combine high performance and reliability with heavy-duty packaging designed to withstand harsh environmental conditions- splashing water, corrosive agents, dirt, ice and snow ACEs suit rugged industrial applications where outdoor communications and NEMA-4x ratings are essential. ACEs provide high output power to deliver line-of-sight ranges up to 20 miles with high-gain antennas.

ACE modems are completely compatible with AeroComm's AC4490 transceivers and CL4490 commercial modems. This allows OEMs to construct systems which utilize ruggedized devices only where necessary, saving system costs.

### ACE Product Highlights:

- NEMA-4x rated packaging
- One full watt of RF output power
- Industrial temp range -40° to +80°C
- Standard interface, RS232



For quantities of 10 and up, call for quote.

MOUSER STOCK NO.	AeroComm Part No.	Description	Price Each
<b>Server/Client Protocol</b>			
814-ACE6490-232	ACE6490-1000-232	ACE 6490 Kit - includes 1 Transceiver, Cable, Antenna, Power Supply and Software	449.00
814-ACE6490-232-SP	ACE6490-1000-232-SP	ACE 6490 Starter Pack - includes 2 Transceivers, Cables, Antennas, Power Supplies and Software	899.00
<b>Peer-to-Peer Protocol</b>			
814-ACE6790-232	ACE6790-1000-232	ACE6790 Kit - includes 1 Transceiver, Cable, Antenna, Power Supply and Software	449.00
814-ACE6790-232-SP	ACE6790-1000-232-SP	ACE 6790 Starter Pack - includes 2 Transceivers, Cables, Antennas, Power Supplies and Software	899.00