

Lightyear SmartStreamSM

Integrated Communications Solutions

Lightyear SmartStream uses the latest in ATM technology, bringing you more services and increased capacity, with fewer lines and no additional equipment to purchase and maintain. And **Lightyear SmartStream's** bundle of solutions includes Internet, voice, data, email, and Web hosting services in one convenient, secure, and cost-effective package.

Lightyear SmartStream Bundle

Internet

Available Guaranteed Rate Options: 256k, 512k, 768k
Burstable to 2x the selected Guaranteed Rate Option
Support NAT, DHCP, and port forwarding

Dedicated LD Voice

Competitive per minute rate (inter/intra)*
2000 included minutes*

*Does not apply to Offshore, International, or directory assistance

Local Loop

Distance and market sensitive
Competitive discount rates

Wide Area Networking

Available port speeds: 64k - 1024k
Available Full Duplex PVC speeds: 16k - 1024k
Burstable to 2x the PVC speed, maximum T1 capacity
LMI polling protocols supported: Annex A/Q.933,
Annex D/ANSI, LMI/Rev 1

Email

20 included mailboxes, 10 MB each
5.5 MB transfer limit, 5 MB attachment limit
Additional charge for extra mailboxes

Web Hosting

20 MB of web space provided
1 GB of file transfer per month

Maintenance

Standard 8 x 5 (M-F)
Additional charge for 24 x 5 (M-F) or 24 x 7
Standard 24 x 7 network monitoring

Equipment

Lightyear provides and installs Integrated Access
Kit, including router, CSU/DSU, UPS, and Multimedia
panel on a high-quality swing-mount rack

Lightyear Provided Equipment

ATM T1 Uplink

One T1 port
RJ-48 connector (integral CSU/DSU)
Data rates/distances (26 AWG) - 1.544 Mbps/6,000 ft

Voice Access

Analog Option:
Up to Twelve FXS ports
3 REN
RJ-11 connectors
66M150 Analog Punchdown block
Digital Option:
T1 interface (24 DSOs)
RJ-48 connector

Data Access

Ethernet:
One 10/100 Base Tx port, auto-sensing
IEEE 802.3
RJ-45 connector
10 Mbps or 100 Mbps
Serial:
Two serial ports
V.35/RS-232 (software selectable)
Two AMP Slimline 26 connectors
9.6 Kbps - 2.048 Mbps

Physical

Swing-mount rack
Dimensions: 32" x 32" x 32" (H x W x D)
Weight: Approximately 55 lbs

Environmental

Temperature: 32 - 113F (0 - 45C)
Humidity: 0 - 90%, non-condensing

Power

100 to 240 VAC, 50 to 60 Hz, 1 Amp
Power supply within 6 ft of equipment
Uninterrupted Power Supply (UPS) up to three hrs

Restrictions

Guaranteed bandwidth is based on Lightyear's ATM network, not the public Internet, which is a best effort network. Additional bandwidth efficiencies are made available by Dynamic Bandwidth Allocation, Silence Supression, and Voice Compression. Subscription based Internet Service Providers (ISPs) are not eligible for this standardized service. Customer must authorize Lightyear to order and provide all Local Loops that facilitate the service (T1 access only). No token ring LANs. Lightyear's internal CSU/DSU equipment must be utilized. B8ZS Line Coding and ESF Framing only. Loop Start, Wink, Immediate, and Seizure signaling only. Maximum of 24 LD lines with a Digital connection (T1 card required). Maximum of 12 LD lines with an Analog connection.

Powered Communications Solutions

If your application requires a specific yet flexible solution, Lightyear offers standalone Internet, Web hosting, and Wide Area Networking services, all powered by Lightyear's Next Generation ATM network. These cost-effective solutions can be purchased independently or as a combined solution to meet all your business communications needs. (See reverse for **Lightyear SmartStream** bundle specifications.)

Lightyear SmartWeb

Shared Web Hosting

Lightyear offers simple and inexpensive commercial Web hosting that resides on Sun or Windows 2000 Web servers "sharing" resources with other Web customers. Two packages are available:

Basic: 20 MB storage, 20 email accounts
Advanced: 100 MB storage, 20 email accounts

1 GB file transfer per month - Shared Ethernet connection

Dedicated Web Hosting

For customers who require Web server resources devoted to their particular application, Lightyear offers three dedicated Web hosting packages. All packages include the lease and maintenance of a Cobalt Web server:

Standard: 64 MB base memory, 13 GB storage
Plus: 128 MB base memory, 15.2 GB storage
Premium: 256 MB base memory, 20 GB storage

10 GB file transfer per month - 10/100 MB Switched Ethernet connection

Web Server Collocation

Lightyear offers customizable Web server collocation services for those customers with specific equipment requirements for their Web hosting applications. The following options are available:

Rack Unit: Standard unit (1RU), 18 x 18 x 1.75 inches (L x W x H)
Half Rack: 24 units, 18 x 18 x 42 inches (L x W x H)
Full Rack: 48 units, 18 x 18 x 84 inches (L x W x H)

50 GB file transfer per month - 10 MB Ethernet connection option
150 GB file transfer per month - 100 MB Ethernet connection option
IP addresses provided (vary by package)
Additional floor space available

Lightyear SmartWeb Features

Redundant network connections
Environmental monitoring/HVAC climate control
Power redundancy: UPS protection and diesel generator backup
Traffic monitoring
24 x 7 network monitoring
Service Level Guarantee: 99.9% network and power availability
Web activity reporting
Custom email (user@companyname.com)
DNS provided (domains vary by package)

Service options:

Additional data transfer	Additional DNS setup
Data recovery	Additional email services
Verisign security services	Scheduled data backups
Additional IPs with justification	Legato Software Liscence

Lightyear SmartNet

Dedicated Internet Services

Your business can work faster and increase productivity at a highly affordable rate with **Lightyear SmartNet**, our burstable, dedicated Internet solution. You no longer have to wait for a slow dial-up connection - **Lightyear SmartNet** delivers constant high-speed Internet access that is highly reliable.

Available Guaranteed Rate Options:

DS1 - 128k, 256k, 512k, 768k, T1
Frame relay or point-to-point protocols

Lightyear SmartNet Features:

Nationwide dedicated Internet access
24 x 7 network monitoring
Equipment options
Equipment maintenance options (Lightyear provided equipment only)
Burstable to 2x the Guaranteed Rate Option, maximum T1 capacity
IP addresses provided (more than 8 requires justification)
DNS provided (more than 4 domains at additional charge)
Basic service includes static routing
Email services available (additional charge)
USENET Newsreader service available (additional charge)
Support NAT, DHCP, and port forwarding

Lightyear SmartConnect

Wide Area Network (WAN) Services

Lightyear provides a flexible, reliable solution for customers with multiple sites by employing the best in packet-based technology over Lightyear's next-generation ATM network.

Available Port Speeds:

DS0 - 64k
DS1 - 128k, 256k, 384k, 512k, 768k, 1024k, 1536k

Available PVC Speeds:

16k, 32k, 48k, 64k, 128k, 192, 256k, 320k, 384k, 448k, 512k, 576k, 640k, 704k, 768k, 832k, 896k, 960k, 1024k, 1088k, 1152k, 1216k, 1280k, 1344k, 1408k, 1472k, 1536k

Lightyear SmartConnect Features

Nationwide data network
24 x 7 network monitoring
Equipment options
Equipment maintenance options (Lightyear provided equipment only)
Burstable to 2x the PVC speed, maximum T1 capacity
Full Duplex PVCs
Local and domestic WAN services
Frame Relay to ATM Inter-networking