

# IntegratorC-2100 VoIP Gateway Series



## Digital Series

SciDyn's IntegratorC-2100® Digital Series Gateways allow enterprises to capitalize on the economic benefits that IP based networks have to offer. They provide the reliability and quality associated with the traditional Public Switched Telephone Network (PSTN), without changing the existing network topology. The IntegratorC-2100 gateways give enterprises the ability to take advantage of the convergence of IP and the traditional telephone network to provide risk free entry into VoIP.

### The Reliable Choice

SciDyn's IntegratorC-2100 gateways continuously monitor calls to ensure that the voice quality is acceptable. If at any time during the call, the IntegratorC-2100 detects loss in voice quality due to network congestion or packet loss, the IntegratorC-2100 gateway will seamlessly re-establish the call over the traditional PSTN. Even during catastrophic failures, such as loss of power, the IntegratorC-2100 will pass calls through to the PSTN. The IntegratorC-2100 multi-path call routing ability ensures intelligent handling of every call regardless of the conditions of the IP network.

### The Economic Choice

SciDyn's IntegratorC-2100 gateways allow enterprises to reduce the cost of business associated with corporate voice traffic. By routing inter-office voice and fax traffic over existing IP networks, traditional PSTN toll charges can be avoided and enormous cost savings realized.

### The Efficient Choice

SciDyn's Bandwidth Optimization Application (BOA) is an optional feature for the IntegratorC-2100 gateways that can be enabled to improve the efficiency in bandwidth usage. With BOA technology, the IntegratorC-2100 gateway reduces bandwidth consumption up to 50%, by combining voice packets from several calls into a single packet to minimize packet overhead.

- T1, E1, PRI interfaces
- Supports 8, 16, 24, or 30 simultaneous voice or fax over IP calls
- Transparent multi-path call routing
- Scalable architecture
- Easy-to-use Web-based GUI
- Integrated H.323 Gatekeeper
- Low cost, low risk entry into the VoIP market
- Configurable QoS Autoswitching Threshold
- Seamless integration into the existing network



# IntegratorC-2100 Series Specifications

## Dimensions:

- 1.75" (H) x 17 3/8" (W) x 10.75" (D)
- 4.5 cm (H) x 44.5 cm (W) x 27.6 cm (D)

## Weight:

- Approx. 7.2 lbs. (3.24 kg)

## Power:

- Autoswitching 100 to 240 V AC
- 50/60 Hz
- 25-Watts Maximum

## Operating Environment:

- Temperature: 40-122°F
- Humidity: 20–80% noncondensing

## Telephony Interface:

- T1, E1, PRI Digital Trunks
- ISDN PRI, National ISDN-2, Euro ISDN NET5, Japan INS-NET, KDD, 4ESS, 5ESS, DMS100, KDD, QSig
- CAS/R2 Signaling
- DTMF and MF Dialing
- Framing, ESF, D4
- Line Coding: AMI B8ZS, HDB3

## Configuration and Management:

- Telnet
- SNMPv.2
- Web-based GUI
- Serial Console RS-232/DB-9
- Call Detail Records
- Alarm Reporting

## Voice:

- G.711, G.723.1a, G.729a, G.726 Voice Compression Algorithms
- Echo Cancellation, ITU Rec. G. 168, up to 128 msec tailsize
- Silence Suppression
- Comfort Noise Generation
- Gain Control

## Fax:

- Group III 2.4, 4.8, 7.2, 9.6, 14.4 Kbps

## IP Interface:

- 10/100 Base T, RJ45 (IEEE 802.3)
- H.323 v.2 Protocol
- Integrated H.323 Gatekeeper
- Annex G Border Element



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