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Strata Product Differences CTX670 - DK424i - DK424

The purpose of this document is to show the differences between the Strata CTX670 and previous generation products.

- The Strata CTX670 uses a new processor and all new software that is not common to either the DK424i or DK424.
- The Strata CTX670 and the DK424i share common Base Cabinet and Expansion Cabinet hardware.
- The Strata CTX670, DK424i, and DK424 share most of the same CO line and station interfaces.

The sections below compare the features and maximum capacities of these systems. The compatibility section shows both backwards and forwards compatibility between the Strata CTX670 and older Strata DK components and telephones.

This document is an overview of these differences and intended to be used as a quick reference. Detailed information about compatibility is available in the *Strata CTX Installation & Maintenance Manual*.

Capacities

Maximum Capacities	DK424	DK424i	CTX670
Processor Models	4	4	1
KSU Cabinets (base plus expansion)	7	5	7
Base Cabinet PCB Slots	6	8	8
Expansion Cabinet PCB Slots	8	10	10
Total System PCB Slots	54	48	68
Trunk/Station Ports	432	432	672
Universal Ports	432	432	672
DTMF Receivers	24	24	32
Busy Tone Receivers	8	8	32
Trunk Lines	200	200	264
DID Lines	200	200	264

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Maximum Capacities	DK424	DK424i	CTX670
Tie Lines	200	200	264
T1 Interface Units	8	8	21 (264 channels)
PRI Interface Units	8	8	21 (264 channels)
BRI Trunk-side Channels	16	16	256
BRI Station-side circuits	64	64	96
EKT Stations	328	328	N/A
DKT Stations	336	336	560
Standard Stations	328	328	544
OPXs	328	328	544
PC Interface Units	280	280	462
DSS Consoles 60-button	8	8	16
Add-On Modules 20-button	200	200	560
Proprietary Attendant Consoles	4	4	N/A
PC Attendant Consoles	4	4	4
Door Phones	12	12	24
Door Locks	5	5	10
Serial Interface Ports	4	4	4
NIC 10base-T Interface Port	N/A	N/A	1
Power Failure Telephones	328	328	552
CO Line Groups	16	16	256
Separate Incoming Line Groups	N/A	N/A	128
Separate Outgoing Line Groups	N/A	N/A	128
Call Pickup Groups	20	20	32
Conference Parties	4	4	8
Simultaneous Conferences	14	14	31
Trunk-to-trunk conferences	20	20	31
System Speed Dial	800	800	800
Station Speed Dial	40	40	100
Speed Dial Number Digits	20	20	32
Speed Dial Number Digits Chained	37	37	64
Alphanumeric System Messages	40	40	10

Maximum Capacities	DK424	DK424i	CTX670
Alphanumeric Personal Messages	10	10	N/A
Primary Directory Numbers (PDN)	336	336	560
Phantom Directory Numbers (PhDN)	336	336	2,240
DNIS Numbers	500	500	2,000
DNIS/DID Network Routing Numbers	500	500	1,000
External Page Zones	8	8	16
Internal Page Groups	9	9	16
Stations per DKT Page Group	120	120	32
Park Orbit Zones	20	20	64
Station Hunting Groups	16	16	640
Distributed Hunt Group	16	16	640
Station Ring Tones	3	3	4
Toll Restriction Levels	8	8	16
Tenants	4	4	1
Music-on-Hold Interfaces	1	1	15
Verified Account Codes	300	300	1,000

Compatibility

Base and Expansion Cabinets	DK424	DK424i	CTX670
CTX670 (and DK424i) Base Cabinet (CHSUB672A)	No	Yes	Yes
CTX670 (and DK424i) Expansion Cabinet (CHSUE672A)	No	Yes	Yes
DK424 Base Cabinet (DKSUB424A)	Yes	No	No
DK424 Expansion Cabinet (DKSUE424A)	Yes	No	No
Remote Expansion Cabinet Interface Unit (RRCU)	Yes	Yes	Yes
Processor Components	DK424	DK424i	CTX670
CTX670 Processor (BBCU/BECU) & Expansion Module (BEXS/BBMS)	No	Yes Upgrade	Yes
DK424i Processors (B1CU, B2, B3, B5)	No	Yes	No
DK424i DTMF Receivers (BRCS)	Yes	Yes	No
DK424 Processors (RCTUA, BA/BB, C/D, E/F)	Yes	No	No
DK424 DTMF Receivers (RRCS)	Yes	No	No
Option Interface Units	DK424	DK424i	CTX670

CTX670 Option Interface Unit (BIOU)	No	No	Yes
CTX670 Serial Interface Unit (BSIS)	No	No	Yes
DK424 Option Interface Units (PIOU, PIOUS, PEPU)	Yes	Yes	No
DK424 Serial Interface Units (RSIU/RSIS, RSSU)	Yes	Yes	No
CO Line Interface Units	DK424	DK424i	CTX670
DK424 Analog CO Interfaces (RCOU/RCOS, RGLU, REMU, RDDU)	Yes	Yes	Yes
DK424 Caller ID Interface (RCIU/RCIS)	Yes	Yes	Yes
DK424 T1 Interface (RDTU)	Yes	Yes	Yes
DK424 ISDN Interfaces (RPTU, RBSU/RBSS, RBUU/RBUS)	Yes	Yes	Yes
DK424 CAMA Trunk Interface (RCMU/RCMS)	Yes	Yes	Yes
VoIP Interface Unit (BVPU)	Yes	Yes	Yes
Station Interface Units	DK424	DK424i	CTX670
CTX670 8-port DKT-3000 & DKT-2000 Interface (BDKU)	Yes	Yes	Yes
CTX670 8-port DKT-3000 Subassembly (BDKS)	No	No	Yes
DK424 8-port DKT-2000 Interface (PDKU)	Yes	Yes	Yes
DK424 Standard Telephone Interface (RSTU)	Yes	Yes	Yes
DK424 Digital/Standard Combo Interface (RDSU/RSTS)	Yes	Yes	Yes
DK424 Attendant Console Interface (RATU)	Yes	Yes	No
Strata AirLink Integrated Wireless Interface (RWIU)	Yes	Yes	No
DK280 8-port EKT-6500 Interface (PEKU)	Yes	Yes	No
DK280 Electronic/Standard Combination Interface (PESU)	Yes	Yes	No
Telephones	DK424	DK424i	CTX670
3000-series digital telephones	Yes	Yes	Yes
USB Integrated PC Interface Unit (BPCI) for DKT-3000	No	No	Yes
2000-series digital telephones	Yes	Yes	Yes
RS-232 Integrated PC Interface Unit (RPCI-DI) for DKT-2000	Yes	Yes	No
RS-232 Stand-alone Data Interface Unit (PDIU-DS)	Yes	Yes	No
1000-series digital telephones	Yes	Yes	Yes
6500-series electronic telephones, and prior EKT models	Yes	Yes	No
Attendant Consoles	DK424	DK424i	CTX670
Strata CTX Attendant Console	No	No	Yes
Strata DK PC Attendant Console	Yes	Yes	No
ATT-BASE-1 Proprietary Attendant Console	Yes	Yes	No

Features

System Features	DK424	DK424i	CTX670
Alarm Sensor	Opt	Opt	N/A
Alert Signal Button	Std	Std	N/A
Amplified Conference Interface	Opt	Opt	N/A
Amplified Conference through Digital PAD Transmission Level Control	N/A	N/A	Std
Automated Attendant built-in	Opt	Opt	N/A
Automatic Call Distribution - Basic Features - Built-in Option	Opt	Opt	N/A
Automatic Call Distribution - Advanced Features - External Server	N/A	N/A	Opt
Automatic Release of Incoming Calls	N/A	N/A	Std
Automatic Station Relocation	Std	Std	N/A
Station Relocation - Assignment by DN in Database	N/A	N/A	Std
Call Forward - System	N/A	N/A	Std
Call Forward - Station - Any Call	N/A	N/A	Std
Call Forward - Station - Line Calls Only	N/A	N/A	Std
Caller ID	Opt	Opt	Opt
Call History - All calls	N/A	N/A	Opt
Call History - Lost calls	Opt	Opt	Opt
Call Waiting with CLASS Information	N/A	N/A	Opt
ISDN Caller ID Names	N/A	N/A	Opt
Cancel Button	N/A	N/A	Std
CO Line Groups	Std	Std	Std
Separate Incoming Line Groups	N/A	N/A	Std
Separate Outgoing Line Groups	N/A	N/A	Std
Lines can be in Multiple Incoming or Outgoing Line Groups	N/A	N/A	Std
Conference Split & Join	N/A	N/A	Std
Emergency Call to Attendant Console	Opt	Opt	Opt
Emergency Call to Any Destination	N/A	N/A	Std
Flexible Button Assignment by User	N/A	N/A	Std
Hot Dialing	N/A	N/A	Std
Hotline Ringdown	Std	Std	Std
Hotline Ringdown with Emergency Tone	Std	Std	N/A

System Features	DK424	DK424i	CTX670
LCD Display Features	Std	Std	Std
Advisory Messages – No Answer	Std	Std	Std
Advisory Messages – Busy Station	Std	Std	Std
Calling Station Messaging	Std	Std	N/A
Custom Personal Messages	Std	Std	N/A
Group Station Messages	Std	Std	N/A
Standard System Messages (not customizable)	Std	Std	N/A
Standard System Messages (customizable by user)	Std	Std	Std
Busy Lamp Field Display	Std	Std	N/A
Large (8-line) LCD Display	N/A	N/A	Std
Voice Mail Message Count	N/A	N/A	Std
Intercom Calling Name Display	16 characters	16 characters	9 characters
Lost Call Treatment	N/A	N/A	Std
Message Waiting Stutter Dial Tone	N/A	N/A	Std
Networking - Alternate Routing/Hop-off	N/A	N/A	Opt
Networking - Coordinated Numbering/Dialing Plan	Adtran	Adtran	Opt
Networking - Centralized Voice Mail	Adtran	Adtran	Opt
Networking - Centralized Attendant	N/A	N/A	Opt
Networking - QSIG Call Control	N/A	N/A	Opt
Night Service Auto Scheduled Activation	N/A	N/A	Std
Paging - All Call DKT Page	Std	Std	N/A
Paging - Emergency Page	N/A	N/A	Std
Saved Number Redial	Std	Std	N/A
System Fault Finding & Diagnostics	N/A	N/A	Std
Alarm Indication of System Faults	N/A	N/A	Std
Automatic Fault Recovery	N/A	N/A	Std
Fault Detection and Error Logs	N/A	N/A	Std
Maintenance & Administration via LAN	N/A	N/A	Std
Self Test	N/A	N/A	Std
System Trace	N/A	N/A	Std
Tenant Service	Std	Std	N/A
Through Dialing from Attendant Console	Opt	Opt	Opt
Through Dialing from Station	N/A	N/A	Std

System Features	DK424	DK424i	CTX670
Timed Reminder Memo	Std	Std	N/A
Voice Mail Integration Enhancements	N/A	N/A	Std
Call Record to Voice Mail	N/A	N/A	Opt
Transfer Direct to Voice Mailbox	N/A	N/A	Opt
Voice Mail LCD Prompt/Soft Key Operation	N/A	N/A	Opt
Wireless External BSIA Interface	Opt	Opt	Opt
Wireless Integrated RWIU Interface	Opt	Opt	N/A
Attendant Console Features	DK424	DK424i	CTX670
Alarms for System Faults	N/A	N/A	Std
Connects to DKT Port or RATU Port	RATU	RATU	DKT
Type of Design (PC, Proprietary)	Both	Both	PC
Windows 95 & 98 Compatible	Std	Std	N/A
Windows NT & 2000 Compatible	N/A	N/A	Std
CTI Features	DK424	DK424i	CTX670
TAPI Compatible	Opt	Opt	Opt
System OAI CSTA LAN Connection	N/A	N/A	Opt
CSTA Pilot DN	N/A	N/A	Std
PC Interface Unit	Opt	Opt	Opt
Stand-alone Data Interface Unit	Opt	Opt	N/A

