

Norstar/BCM Product Comparison

Introduction

Introduced in 1994, the Norstar Integrated Communications System (ICS) portfolio is based on a vision that links computers, communications platforms, networks and telephones together. With Norstar, a small system can offer companies the kind of power previously found only in the big business environment. Norstar Modular and Compact ICS release 6.1 became available in June 2003.

For both the multisite enterprise and the single-site SMB, Business Communications Manager (BCM) delivers a highly reliable, innovative, converged voice/data solution that enables a business to save money by streamlining costs, and enables it to make money by increasing revenues, expanding market reach and improving customer service. BCM release 3.6 became available in May 2004.

This bulletin provides a comparison of the capabilities of the Norstar Compact ICS 6.1, the Norstar Modular ICS 6.1 and the BCM 3.6.



Comparison Matrix

Capabilities	Compact ICS 6.1	Modular ICS 6.1	BCM 3.6
System			
System Capacity	16X24 (BRI)	248 ports	≤309 ports*
Total Number of Stations	24	192	≤249**
Redundant Power	No	No	Yes
Redundant Hard Drive	N/A	N/A	Yes
Redundant System Programming	No	No	Yes
Multiple language support	3	3	11
Digital Telephony	Yes	Yes	Yes
IP Network connectivity	Yes – IP Gateway	Yes – IP Gateway	Yes
IP Telephony with QOS	Yes – IP Gateway	Yes – IP Gateway	Yes
Companion support	No	Yes	Yes
Wireless VoIP	No	No	Yes
DS Loop start	Yes	Yes	Yes - GATM
CLID Loop start	Yes	Yes	Yes – MBM

Capabilities	Compact ICS 6.1	Modular ICS 6.1	BCM 3.5
Analog DID	No	Yes	Yes – FTM
Analog E&M	No	Yes	Yes - FTM
ISDN PRI	No	Yes	Yes - MBM
ISDN BRI	Yes	Yes	Yes - MBM
T-1/E-1	No	Yes	Yes - MBM
Number of T-1s/E-1s	0	3	3
Centrex (transparency)	No	Yes	No
Survivable Remote Gateway (Succession) support	No	No	Yes
Desktop Support			
M7100	Yes	Yes	Yes
M7208	Yes	Yes	Yes
M7310	Yes	Yes	Yes
M7324	Yes	Yes	Yes
T7100	Yes	Yes	Yes
T7208	Yes	Yes	Yes
T7316E	Yes	Yes	Yes
T24 Key Indicator Module, connected to T7316e	Yes	Yes	Yes
T7406 Cordless	Yes	Yes	Yes
Audio Conference Unit	Yes	Yes	Yes
Analog Telephone support	Internal and External ATA	External ATA and ASM	External ATA and ASM MBM
Doorphone	Yes	Yes	Yes
i2001 IP Telephone	No	No	Yes
i2002 IP Telephone	No	No	Yes
i2004 IP Telephone	No	No	Yes
i2050 Soft Phone	No	No	Yes
Applications Support			
<i>Voice Messaging</i>	Yes- CallPilot 100/150	Yes- CallPilot 100/150	Keycode Enabled
Unified Messaging	Yes- CallPilot 100/150	Yes- CallPilot 100/150	Keycode Enabled
Call Center	Yes- CallPilot 100/150	Yes- CallPilot 100/150	Keycode Enabled
Web Enabled Call Center (MMCC)	No	No	Yes
CTI	Yes – CTA100	Yes – CTA100	Keycode Enabled
Centralized Voice Mail (to M1)	No	Yes	Yes
Centralized Voice Mail (Norstar)	No	Yes	Yes
Centralized Voice Mail (BCM)	No	Yes	Yes
Centralized Voice Mail (DSM100/SL100)	No	Yes	Yes
Interactive Voice Response (IVR)	No	No	Keycode Enabled - RTE

MCDN over PRI Networking	No	Yes	Yes
MCDN over IP Networking	No	No	Yes

Capabilities	Compact ICS 6.1	Modular ICS 6.1	BCM 3.5
OA&M			
Set-based programming	Yes	Yes	No
Windows-based programming	Yes	Yes	Yes
Web-based programming	No	No	Yes
SNMP	No	No	Yes
Network Management	No	No	Yes
Remote access	Yes	Yes – with FastRAD	Yes
Remote programming	Yes	Yes	Yes
Remote diagnostics	Yes	Yes	Yes
Performance Information & Monitoring	No	No	Yes
Backup and Restore	Yes	Yes	Yes
Multi-site System Management	No	No	Yes
Call Handling Features			
External Call Forward	Yes	Yes	Yes
Line redirection	Yes	Yes	Yes
Trunk to Trunk transfer	Yes	Yes	Yes
Privacy	Yes	Yes	Yes
Transfer	Yes	Yes	Yes
Conference	Yes	Yes	Yes
Call Pickup	Yes	Yes	Yes
Call Park	Yes	Yes	Yes
Hunt Groups	Yes	Yes	Yes
Caller ID logging	Yes	Yes	Yes
Call screening	Yes	Yes	Yes
Time-of-day Auto Attendant Blocking	No	No	Yes
DISA	No	Yes	Yes
Night Service	Yes	Yes	Yes
Coordinated Dialing Plan	No	Yes	Yes
Silent Monitor on Hunt Groups	Yes	Yes	Yes
CLID on Busy	Yes	Yes	No
CLID Appearance on Multiple Sets	Yes	Yes	Yes
Data Capabilities			
Data support through switch	No	No	Yes
Voice over IP - trunk	Yes – IP Gateway	Yes – IP Gateway	Yes
Voice over IP – station	No	No	Yes
QOS	No	No	Yes
Universal T1	No	Yes - NDI	Yes - DDIM
LAN Connectivity	No	No	Integrated
Internet access	No	No	Integrated

Router	No	No	Integrated
WAN Connectivity			
Frame Relay	No	No	Yes
PPP and PPPoE	No	No	Yes
Multi Link PPP	No	No	Yes

* Subject to engineering rules. When all TDM resources are used for stations, 60 VoIP trunks remain available.

** Total Number of Stations for BCM 3.0 a) 6/2 TDM/IP Split: ≤ 192 TDM + ≤ 58 IP for ≤ 250 Stations; b) 5/3 TDM/IP Split: ≤ 160 TDM + ≤ 90 IP for ≤ 250 Stations. Subtract 1 from these totals, required for provisioning VoIP trunks, leaving ≤ 249 Stations.

Acronyms

ATA – Analog Terminal Adapter
DDIM – Digital Drop & Insert MUX MBM
FTM – Fiber Trunk Module (Norstar)
NDI – Norstar Data Interface
MBM – Media Bay Module
RTE – Run Time Engine

References and Related Documents

For further information about Norstar Compact and Modular ICS and Business Communications Manager products please refer to product literature available on the Nortel Networks Partner Information Center at <http://www.nortelnetworks.com/prd/picinfo/>.

For information about products and prices for Norstar and Business Communications Manager products, as well as the Business Series Sets and Internet Sets, consult the Nortel Networks Global Products & Pricing Catalog at http://navigate.us.nortel.com/imds?pg=/c_price/pricing_tools/gppc.

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